



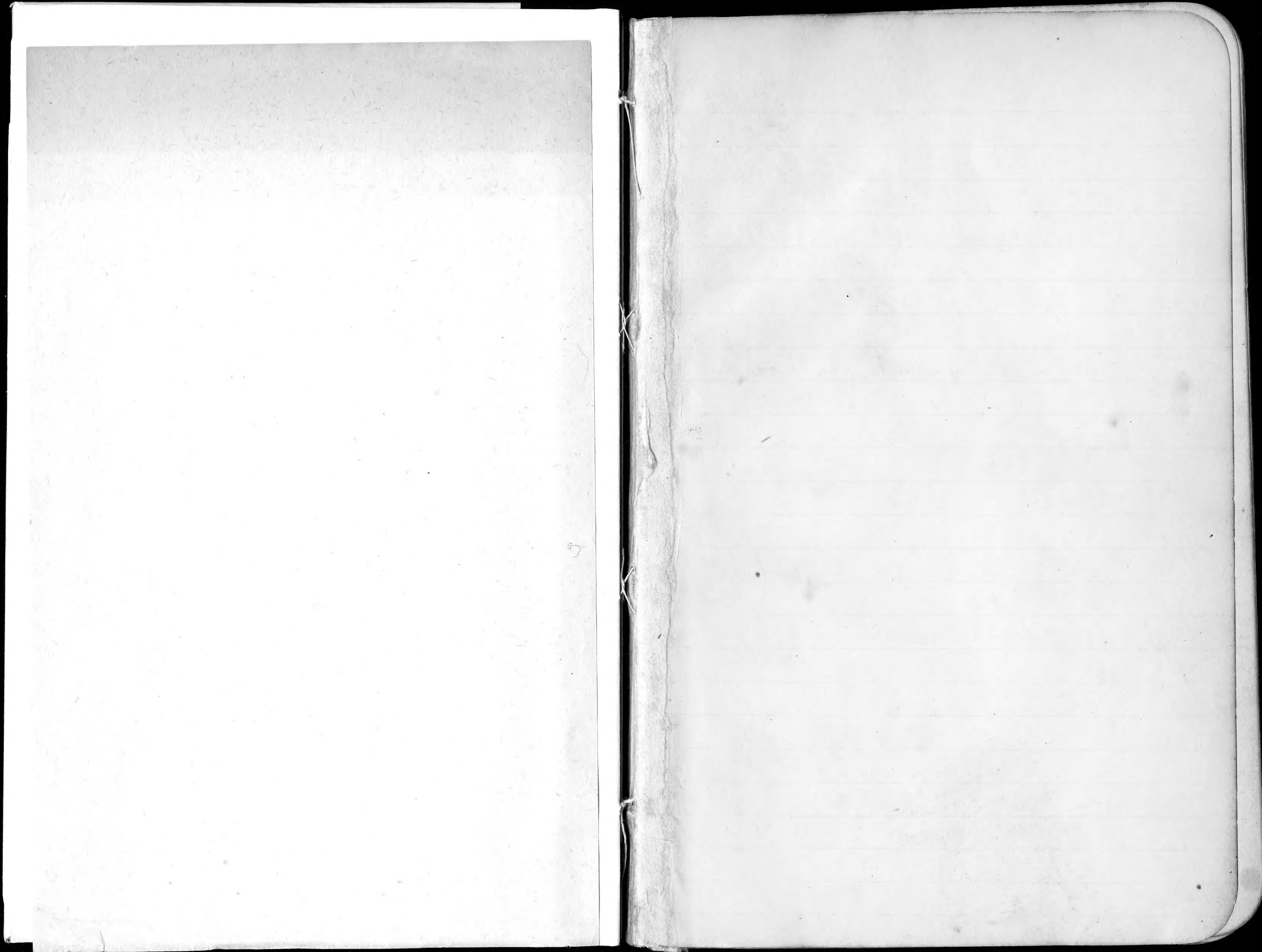
no. 1-1912

Wyo. Mont Mex

1893-1897

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- ✓✓ 1. *Barum Sandreii* B. & H.  
On bluff & in valley
- ✓✓ 2. *Aposynum androsae-nifolium*
- ✓✓ 3. *Basella linearifolia* Benth
- ✓✓ 4. *Comfoula rotundifolia*
- ✓✓ 5. *Eriogonum umbellatum* Torr.
- ✓✓ 6. *Eriogon caespitosus* Nutt.
- ✓✓ 7. *Aster Sibiricus* L. ???
- ✓✓ 8. *Muscium tachyspermum* Nutt.
- ✓✓ 9. *Chamaetris Douglasii* H. & A.
- ✓✓ 10. *Leptolaema multifida* Nutt.  
On bluff on mountain side
- ✓✓ 11. *Physocarpus Torreyi* Maxim
- ✓✓ 12. *Loxifraga punctata* L.  
Near a mountain spring

Red Lodge Mont

July 24

July 24 & 25

July 24 & 25

July 24



✓✓ 13 *Trimulus luteus* L.  
In a mountain spring in low wet places

✓✓ 14 *Valeriana sylvatica* Banks

✓✓ 15 *Penicillaria simplex* Nutt.  
Common all over the valley

✓✓ 16 *Pinus contorta* var. *Murrayana* Engelm. <sup>Balfour</sup>  
On the mountain side

✓✓ 17 *Pseudotsuga Douglasii* Carr.

x 18 *Pinus flexilis* James

✓✓ 19 *Juniperus communis* L.

✓✓ 20 *Trimulus Lewisii* Pursh

✓✓ 21 *Heracleum lanatum* Mx  
Along a mountain stream in wet places

✓✓ 22 *Salix lasiandra*, var. *Fendleriana* B. & P.

✓✓ 23 *Hebea annua* L.

✓✓ 24 *Mentha Canadensis* L.

Red Lodge

July 25 1893

July 26

July 25 -

July 24 -

July 26

July 26 -



✓✓ 25 *Scutellaria galericulata* L  
In a swamp.

✓✓ 26 *Veronica americana* L.

✓✓ 27 *Carex utricula* var. *minor* Boott.

✓✓ 28 *Juncus xiphioides* var. *triandrus* <sup>Engelm.</sup>

✓✓ 29 *Juncus tenuis* Willd

✓✓ 30 *Osmorhiza frida* Torr

✓✓ 31 *Chigelia Lyallii* Watson

✓✓ 32 ✓ *Stellaria longifolia* Torr & L.

✓✓ 33 *Berberis repens* Lindl  
In dry valley.

✓✓ 34 *Clematis Douglasii* Hook.

✓✓ 35 *Calochortus Drummondii* Watson

✓✓ 36 *Lupinus pauciflorus* Nutt

Red Lodge

July 26 / 93

July 26

July 26.



- ✓  
✓  
37 *Amelanchier alnifolia* Nutt.
- ✓  
✓  
38 *Thalictrum fendleri* Engelm.
- ✓  
✓  
39 *Lychnis Drummondii* <sup>Watson</sup> ~~Robinson~~
- ✓  
40 *Geranium*
- ✓  
✓  
41 *Aster laevis* var *Grayi* Gray  
Along the creek above the town
- ✓  
✓  
42 *Lesquerella Ludoviciana* Watson  
Along hillsides
- ✓  
✓  
43 *Phacelia benzoesii* Torr.
- ✓  
✓  
44 *Lithospermum fulvum* Nutt.
- ✓  
✓  
45 *Senecio macrophyllum* Willd.
- ✓  
✓  
46 *Berula americana* C. & R.  
Common everywhere.
- ✓  
47 *Arnica longifolia* Eaton.
- ✓  
48 *Cymopterus leucanthemoides*

Red Lodge

July 26

July 25 -

July 25 -

July 26

July 27



- ✓✓ 50 *Linum perenne*
- ✓✓ 51 *Thymus ambiguus*
- ✓✓ 52 *Gallardia aristata* Pursh
- ✓✓ 53 *Rubus strigosus*
- ✓✓ 54 *Galium linearis* Gray
- ✓✓ 55 *Clematis verticillaris* DC.
- ✓✓ 56 *Linum catharticum* Hook
- ✓✓ 57 *Rudbeckia* L
- ✓✓ 58 *Comandra fasciculata* (Walt.)  
On dry rocks. Common.
- ✓✓ 59 *Senecio vulgaris* Watson  
On the rocky small mountains
- ✓✓ 60 *Actaea spicata* var. *arguta*
- ✓✓ 61 *Salsola vermiculata* L

Red Lodge July 27 1903

July 28.

July 29

✓✓ 61 *Spariflorum* Juncz.

✓✓ 62 *fimbriata* Banks

✓✓ 53

✓✓ 54

✓✓ 55

✓✓ 61

✓✓ 17 *Ribes cereum* Dougl

✓✓ 8

+ ✓✓ *Cystopteris fragilis*

+ ✓✓ *Cystopteris fragilis*

✓✓ *Alpina* var *occidentalis* Gray

✓✓ *betulae folia* var  
*erythrocarpa* Watson

July 28

✓  
✓  
✓ 72 *Epilobium spectabile*

✓  
73 *Ranunculus repens* L

✓  
✓ 74 *Antennaria glomerata* Gray

✓  
✓ 75 *Adiantum Adnigrum* Roll.

✓  
76 *Camphorospha* Gray

✓  
77 *flavum* Nutt

✓  
78 *lanceolatum* DC

✓  
79 *Senecio aureus* var. *croceus* G

✓  
80 *Rosa Arkensis*

✓  
81 *Rosa Sayi*

✓  
82 *Pyrola pecta* Smith

✓  
83 *Pyrola elliptica* Nutt *secunda* L

July 27

July 28

July 28.

July 28

July 28



✓✓ 87 *Populus tremuloides* Michx.  
Along the stream

✓✓ 88 *Populus tremuloides* Michx.  
Along the stream

✓✓ 89 *Senecio canus* Hook.

✓✓ 90 *Arabis perfoliata* Lam.

✓✓ 91 *Erysimum punctatum* Nutt.

✓✓ 92 *Salix longifolia* Muhl.

✓✓ 93 *Prunella ovalifolia* Nutt.

✓✓ 94 *Prunella*

✓✓ 93 *Myosotis sylvatica* Hoff. Var  
On top of a small mountain.

✓✓ 94 *Arctostaphylos Uva-ursi* Spreng  
In valley

✓✓ 95 *Epilobium coloratum* Muhl.

✓✓ 96 *Vaccinium Myrtillus* var *microphyllum* Hook.  
In valley

July 25-29

July 28

Red Lodge Mount. July 29 / 1893  
Only one specimen seen.

✓97 *Euphorbia macranthus* Nutt

✓98 *Pyrola rotundifolia* L  
Along stream

✓99 *Hieracium albidum* Hook <sup>Confertiflorum</sup>

✓100 *Carex deflexa* var. *media* Bailey  
On top of mountain

✓101 *Solidago canadensis* L.

✓102 *Sisymbrium incisum* Engelm. <sup>Cruciferae</sup>

✓103 *Prosartes hachycarpus* Watson

✓104 *Prunus virginica* L.

✓105 *Aquilegia flavescens* Nutt.  
Along mountain stream

✓106 *Pentstemon Lyallii* Gray

✓107 *Allenium cernuum* Roth  
On mountain top

✓108 *Castilleja pauciflora* Bong

July 28

July 29

July 24 & 29

July 25





✓✓✓ 109 *Castilleja miniata* Dougl.

✓✓✓ 110 *Alnus incana* var. *canadensis*  
Below valley

✓✓✓ 111 *Betula glandulosa*, Michx.  
In the upper valleys

✓✓✓ 112 *Potentilla gracilis* Dougl.

✓✓✓ 113 *Alnus Saxonica* Vaccaria L.  
In shrubs also at 13000 ft

✓✓✓ 114 *Sedum stenophyllum* Pursh

✓✓✓ 115 *Habenaria hyperborea* R. Br.

✓✓✓ 116 *Solanum triflorum* Nutt.  
Along water ditch.

✓✓✓ 117 *Erythronium caeruleum* Nutt.

✓✓✓ 118 *Dracopis cernua* L. G.

Along water ditch not common

✓✓✓ 119 *Lactuca pulchella* DC.  
Along water ditch

✓✓✓ 120 *Chamaenerion* ~~Pursh~~ *Redowskii* var. *occidentalis* W. G.

July 26

July 27

July 28

July 28

July 29

a r i July 30

July 27

Marquette Mts

Aug 4

Also seen on the side of Red Lodge

✓  
121 *Lygodesmia juncea* Don,  
Alon-ditch

✓  
122 *Oenanthe tricoealyx* Nutt

✓  
123 *Abromia macrantha* Torrey

✓  
124 *Eleocharis palustris* R. & S.  
In alkali spring

✓  
125 *Scirpus Americanus* Pers.

✓  
126 *Juncus bufonius* L.

✓  
127 *Artemisia ~~artuscula~~ Nutt* *pedatifida* Nutt  
Common along alkali

✓  
128 *Aster canescens* var. *viscosus* Gray.

✓  
129 ✓ *Atriplex Nuttallii* Nelson

✓  
130 *Troximon*

✓  
131 *Thermopsis parviflora* DC.

✓  
132 ✓ *Oxybaphus angustifolius* Sauer

Marguerite Apr

Aug 3 1883

On Marguerite creek

Aug 4

Aug. 4

Aug. 4.

Aug. 4

Marguerite

near Belknap Ranch

Aug 6.

Aug 6th



✓ 133 *Zygadenus elegans* Pursh  
grows at the base of high bluffs

✓ 134 *Argemone discolor* Ledeb.

✓ 135 *Acer glabrum* Torr.

✓ 136 *Saxifraga caespitosa* L.

✓ 137 *Aster foliaceus* Lindl.

✓ 138 *Sagina Linnaea* Presl.

✓ 139 *Agrostis scabra* Willd.  
Along creek beds

✓ 140 *Pyrola rotundifolia* L.

✓ 141 *Aster glaucus*  
Very common

✓ 142 *Sambucus racemosa* L.

✓ 143 *Carex filiformis* var. *latifolia* Boeckl.

✓ 144 *Pentstemon montana*, Greene.

Camp 3. In the I. ha. road  
surfact above camp. 2

Aug 6 '23

Aug. 8

Near Camp 3

Northwestern Wyoming (near Camp 3) Aug. 8.

Camp 2

Aug 7 '23

About one mile before Camp 2 on road

Aug 7



✓  
✓ 145 *Monarda uniflora* Gray  
allotted also 144

✓ 146 *Hyssopus angustifolius* Nutt.  
in woods

✓ 147 *Physaria dedymosa* Gray

✓ 148 *Senecio canus* Hook

✓ 149 *Astragalus tagetarius* Nelson

✓ 150 *Juncus mertensianus* Bong.

✓ 151 *Samolus racemosa* Gray

✓ 152 *Arnica cordifolia* Hook

✓ 153 *Parasola fruticulata* Banks

154

✓ 155 *Mitella pentandra* Hook

✓ 156 *Veronica serpyllifolia* L

Bellevue Camp 3-4

Aug 9

Camp 4

Aug 9

Aug 9

Aug. 9.

Aug. 9

✓ 157 *Senecio* *Fremontii* J & S,

✓ 158 *Setragulus* *Alpina* L

✓ 159 *Androsace* *septentrionalis* L

✓ 160 *Anemone* *divica* var *rosea* Eaton

✓ 161 *Pentstemon* *glaucus* Graham

✓ 162 *Pentstemon* *confertus* var *caeruleus* confertus Gray

✓ 163 *Ribes* *Hudsonianum* Richards

✓ 164 *Pedicularis* *lucida* Pursh

✓ 165 *Dracopis* *viridus* Dougl

✓ 166 *Salix* *Brownii* var. *petraea*  
Very common to the mountains

✓ 167  
✓ 168 *Angelica* *pinnata* Watson

Aug. 9

Sep 8 May Aug 9

On the ridge

On the ridge

Aug. 10.

V  
✓ 169

*Barclayi* Dmflx

V  
✓ 170

*Barclayi*, Anders.

V  
✓ 171

*Chamissonis* Esch

V  
✓ 172

*Junceoides parviflorum* Coville

V  
✓ 173

*Aconitum columbianum* Nutt.

174

*Oniscus subulifolius*

Not very common in cones

V  
✓ 175

*Oniscus aurea*, Nutt.

In the same place

V  
✓ 176

*Oniscus Hookerianus* Gray.

V  
✓ 177

*Oniscus linearis* Sw.

V  
✓ 178

*Erigeron armeriaefolius* Turcz.

V  
✓ 179

*Senecio lugens* var. *foliosus* B.

V  
✓ 180

*Fremonti* J & B.

On the same slope 5

93

Aug 5 - Aug 10.

near Yellowstone Lake

Aug 1

Aug 11

along the divide

Aug 9

National Park

Aug 12



✓✓ 181 *Osmia Hookeriana* Gray.

✓✓ 182 *Eugenia lanata* Hook

✓✓ 183 *Solidago*

✓✓ 184 *Polemonium Confertum* Gray

✓✓ 185 *Eugenia uniflora* L

✓✓ 186 *Synedrella nodiflora* A. C. Meyer.

✓✓ 187 *Stellaria longifolia* A. C. Meyer.

✓✓ 188 *Spraguea unguiculata* Torr.

✓✓ 189 *Ligustrum filicinum* Watson.

✓✓ 190 *Engelmannia* Gray

✓✓ 191 *Lupinus* Watson

✓✓ 192 *Alpinus* L

Aug. 13

Aug. 13 & 24

Aug. 15

Aug. 12

Camp 6

- ✓  
✓  
193 *Claytonia lanceolata* Pursh  
In damp soil ground just frozen
- ✓  
✓  
194 *Saxifraga nivalis*
- ✓  
✓  
195 " *adscendens* L.
- ✓  
✓  
196 " *nivalis* L.
- ✓  
✓  
197 *Cystopteris fragilis* Beckenb.
- ✓  
✓  
198 *Peucedanum coult*  
Among dry rock on hillside
- ✓  
✓  
199 *Juncus subtriflorus* Coville  
In damp soil
- ✓  
✓  
201 *Calamagrostis pygmaea* Gray
- ✓  
✓  
202 *Ranunculus glaberrimus* Hook
- ✓  
✓  
203 *Horsetail dissecta* Pursh
- ✓  
✓  
204 *Sibbaldia procumbens* L.
- ✓  
✓  
205 *Linum borealis* Moench  
In wet along the lake

Aug. 13

Aug. 14

Aug. 14

Aug. 14

Aug. 14

Aug. 24

Aug. 13 & 14

Aug. 15



✓  
✓  
205 *Thalictrum brevistylum* Watson

✓  
✓  
206 *Zygadenus* ~~Hutchinsonii~~ *elegans* Pursh  
(along creek)

✓  
✓  
207 *Ligustrum filicum*  
Along stream

✓  
✓  
208 *Orthocentrus luteus* Nutt.  
In meadows

✓  
✓  
209 *Thalictrum Fendleri* Engelm.  
In wooded hillsides

210

✓  
✓  
211 *Delphinium bicolor* Nutt  
On gravelly hillsides

✓  
✓  
212 *Juncus subtriflorus* Coville  
Along stream in woods

✓  
213 *Madia glomerata* Hook

✓  
✓  
214 *Phacelia speciosa* Gray  
In dry meadows

✓  
✓  
215 *Polygonum littorale*, Link  
Along banks

✓  
✓  
216 *Trifolium longipes* Nutt.  
In dry meadows

Aug. 15.

Aug. 15-

Aug 16

Aug. 16-

Aug 17 1883

End of George

along creek

✓  
✓ 217 *Oatthocarpus pilosus* Watson

✓  
218 *Carex* ( )

✓  
219 *Carex utricula* var. *minor* Boott.

✓  
✓ 220 *Galium linearis* Gray

✓  
✓ 221 *Galium uniflorum* var. *phagnalicoides* Gray

✓  
✓ 222 *Bromus brevicastratus* (Hook.) Klunt.  
*On dry hillsides*

✓  
✓ 223 *Spizium spicatum* (L.) Scribn.

✓  
224 *Uyropyzum afanum* R. & S.

✓  
✓ 225 *Petula glandulosa* Michx

✓  
✓ 226 *Coronilla varia* L.

✓  
✓ 227 *Cryptantha* *glandulosa* L.

✓  
✓ 228 *Mimulus* *mos chatius* Dougl.  
*In rock*

*On rock*

Aug 17

Aug 16

Yellowstone Nat. Park (dry hillsides) Aug. 16.

Yellowstone Nat. Park Aug. 16

Yellowstone Nat. P. (dry hillsides) Aug. 16

*On rock*

Aug 16

*On rock*

Aug 16

*On rock*

Aug 16



✓  
✓ 229 *Epilobium subfucatum* Nutt  
Along the sandy bottom of the lake creek.

✓  
✓ 230 *Geranium dubium* Var.

✓  
✓ 231 *Salix pallida* Anders

✓  
✓ 232 *Trisetum* Smf. Nutt  
In dry hillsides all over the park.

✓  
✓ 233 *Alnus* *Tolmiei* Baker

✓  
✓ 234 *Agropyrum scribneri* Vasey.

✓  
✓ 235 *Desmodium ovalifolium* Nutt

✓  
✓ 236 *Oxytropis Pungii* Gray

✓  
✓ 237 *Trifolium sylvaticum* var *alpestre* Koch

✓  
✓ 238 *Geranium subtriflorum*, Coville.

✓  
✓ 239 *Trisetum spicatum* (L.) Scribn.

✓  
✓ 240 *Alopecurus acut.* var *globatus* Eaton  
In dry places all over the park.

Aug 18

Aug. 19.

Aug. 19

Yellowstone Nat. P. (North of Camp 11) Aug. 19

Aug. 19

Aug. 19

Yellowstone Nat. Park (near Camp 11) Aug. 19

✓ 241 *Arnica longifolia* Eaton

✓ 242 *Arnica alpina* Olin

✓ 243 *Senecio aureus* var. *croceus* Gray  
In woods.

✓ 244 *Geranium Richardsonii* Fisch. & Mey.  
In woods.

✓ 245 *Geranium incisum*  
In woods.

✓ 246 *Solidago missouriensis* var. *montana* Gray

✓ 247 *Athyrium uniflorum* Gray

✓ 248 *Pentstemon montana* Greene.  
Among rocks.

✓ 249 *Brickellia grandiflora* Nutt.

✓ 250 *Erigeron armeriaefolius* Turcz.

✓ 251 *Polygonum viviparum* L.

✓ 252 *Pentstemon confertus* var. *caeruleo-purpureus*  
Common.

Dec 13 1893

Aug 22 1893

Dec 13

Aug 23

Aug. 23



- ✓ 230 *Arctostaphylos uva-ursi* Spreng  
Very common
- ✓ 231 *Saxifraga bronchialis* L.  
In high peak south of camp. 7.11.1900
- ✓ 232 *Saxifraga caespitosa* L.  
6.11.1900
- ✓ 233 *Geranium macranthum* Pursh  
6.11.1900
- ✓ 234 *Alnus Schrenkianum* L.  
6.11.1900. In high peak south of camp.
- ✓ 235 *Alnus viridis* (Mill.) B.S.P.  
6.11.1900. In high peak south of camp.
- ✓ 236 *Juniperus communis* L.  
6.11.1900. In high peak south of camp.
- ✓ 237 *Salix glauca* (Mill.) B.S.P.  
6.11.1900. In high peak south of camp.
- ✓ 238 *Eriophorum vaginatum* L.  
6.11.1900. In high peak south of camp.
- ✓ 239 *Arctostaphylos uva-ursi* Spreng  
6.11.1900. In high peak south of camp.
- ✓ 240 *Arctostaphylos uva-ursi* Spreng  
6.11.1900. In high peak south of camp.
- ✓ 241 *Arctostaphylos uva-ursi* Spreng  
6.11.1900. In high peak south of camp.
- ✓ 242 *Arctostaphylos uva-ursi* Spreng  
6.11.1900. In high peak south of camp.
- ✓ 243 *Arctostaphylos uva-ursi* Spreng  
6.11.1900. In high peak south of camp.
- ✓ 244 *Arctostaphylos uva-ursi* Spreng  
6.11.1900. In high peak south of camp.
- ✓ 245 *Arctostaphylos uva-ursi* Spreng  
6.11.1900. In high peak south of camp.
- ✓ 246 *Arctostaphylos uva-ursi* Spreng  
6.11.1900. In high peak south of camp.
- ✓ 247 *Arctostaphylos uva-ursi* Spreng  
6.11.1900. In high peak south of camp.
- ✓ 248 *Arctostaphylos uva-ursi* Spreng  
6.11.1900. In high peak south of camp.
- ✓ 249 *Arctostaphylos uva-ursi* Spreng  
6.11.1900. In high peak south of camp.
- ✓ 250 *Arctostaphylos uva-ursi* Spreng  
6.11.1900. In high peak south of camp.

Common

*S. communis*, *bronchialis* & *caespitosa* in one clump

High

High

High

High

High

High

High

High

High

✓  
L. Allen Cernian Roth

✓  
✓  
268 *Polanomonium humile* var *pulchellum* Gray

✓ *Pestruca ovina ingrata* Hack.

*Ribes viscosissimum* Pursh.

✓ *Just.*

On the shore where I had a boat

Myd

Aug 24 1921

... ..

1920. Tringa Reservoir

Aug 20 18

Timber Reserve: (near east line Y. N. P.) Aug. 20

Timber Reserve (" " " " " ) " 30

Aug. 25

London, Monday, 7th May

2.



2737

2738 Row reflexa Vasey & Scribn.

Phacelia sericea Gray

Phacelia circinata Jacq. f.

Urtica velutina var laevigata S. & B.

Urtica laevigata S. & B.

Urtica viscidissima Pursh -  
~~sanguinea var variegata Watson~~

Urtica flavescent, Nutt.

Urtica incana, var. virescens. W.

Urtica ulmifolia

Alnus alnobetula

Viola praemorsa var venosa Gray

Viola praemorsa var venosa Gray

Timber Reserve (between Cache Creek & Crandall Creek) Aug. 29.

Aug. 30

Aug. 30

Aug. 31

✓✓ 28 ✓ *Physaria didimocarpa* Gray

✓✓ 29 ✓ *Geum Rossii* Seizing

✓✓ 29 ✓ *Dodecatheon pauciflorum* Greene.

✓✓ 202 ✓ *Silene acaulis* L.

✓✓ 203 ✓ *Lupinus argenteus* var *decumbens* Watson

✓✓ 204 ✓ *Smelowskia calycina* C. A. Meyer

✓✓ 205 ✓ *Arabis glacialis* Adams

✓✓ 206 ✓ *Draba* sp.

✓✓ 207 ✓ *Primula glomerata* Gray

✓✓ 208 ✓ *Chaenactis* sp.

✓✓ 209 ✓ *Penstemon affinis* Adams

✓✓ 210 ✓ *Crepis nanus* Richards

Aug 31

Aug. 31.

Aug. 31



~~Cornus~~ Much

*[Faint handwritten notes]*

~~Can~~ ~~Ascle~~ *conspicua* Lindl

*Bigonia longirostris tortiplica* Gray

✓ 80 *Artemisia tridentata* Nutt

✓✓✓ 504 12-11-11 L

✓  
✓  
Rasturtium obtusum Nutt

✓✓ In deep grass  
✓✓ *Junco macurus* Phil

*Samburifolius* C. & S.

*Ribes Hudsonianum*, Richardson  
Along Lodge Pole creek.

Along Lodge Pole creek

*Lacustris var. parvulum*

✓ 2. 2. *Cyrtura Knappe's wallacei*.

London, June 17

Robert R. R. R. R.

1900

Sept 2

Sept. 2

✓ 315 *Sparganium angustifolium* Baubien

✓ 316 *Utricularia vulgaris* L.

✓ 317 *Eriophorum polystachion* L.

✓ 318 *Swertia perennis* L.

✓ 319 *Hippuris vulgaris* L.

✓ 320 *Melica bulbosa*, Geyer.

✓ 321 *Artemisia frigida* Willd.

✓ 322 *Sisymbrium canescens*, Nutt.

✓ 323 *Lesquerella Ludoviciana* Watson

✓ 324 *Arabis Halimifolia* Hornem

✓ 325 *Arabis canescens*, Nutt.

✓ 326 *Barbarea* B. & H.

Sept 3 1892

June 1892

Sept. 3.

Yellowstone Nat. Park.

Aug. 16.

Sept. 4.

Sept. 3.



✓  
✓321 *Pellaea Breweri* Eaton

✓  
✓322 *Pentstemon confertus* <sup>var?</sup>

✓  
✓327 *Gracilis* Dougl.

✓  
✓328 *Carex variabilis* Bailey.

✓  
✓329 *Strophopus amplexifolius* DC.

✓  
✓330 *occidentalis* var. *tenellus* Gray.

✓  
✓331 *triflorum* Michx.

✓  
✓332 *Elymus glaucus* Buckley  
On dry mt. sides

✓  
✓333 *Poa nemoralis* L.

✓  
✓334 *Alopecurus*

✓  
✓335 *flavum* Nutt.

✓  
✓336 *macranthus* Nutt.

✓  
✓337 *DC. B. & T. 1.* Sept. 2

✓  
✓338 *Strophopus* DC.

Sept. 4 -

✓  
✓339 *fastidiosa*

✓  
✓340 *In Sunlight Basin* Sept. 5-1913

✓  
✓341 Yellowstone Nat. Park (dry hillsides) Aug. 16

✓  
✓342 Timber Reserve (Sunlight Basin) Sept. 5

✓  
✓343 *fastidiosa*

337 *Hippia* Lehmann.

338 *Salix rostrata* Richardson

339 *Salix rostrata* Pursh

340 *Salix desertorum* Richardson

341 *Americanum* L. & R.

342 *Ribes cereum* L.

343 *Ribes mollis*

344 *Loeselii* L.

345 *Purshii* Gray

346 *Saxifraga vaccaia* L.

347 *Sambucus racemosa*

348 *Oxyria digyna* Campdena

Sept. 6 1893

1/2 in diameter 15 ft high

Sept. 6.

Johns River 1/2  
fruit red.

Billings Mont

Camp 14

July 28 1893

Aug. 26

Aug. 28



✓  
✓ 349 *Symphoricarpos occidentalis* Hook

✓ 350 *Pentstemon confertum* var. *coeruleo-purpureus* Gray.

✓ 351 *Aster pulchellus* Eaton

✓  
✓ 352 *Moneses uniflora* Gray

✓ 353 *Pyrola chlorantha* Swartz.

✓ 354 *Aplopappus acaulis* var. *glebatus* Eaton

✓ 355 *Abies lasiocarpa*, Nutt.

✓  
✓ 356 *Alnus incana* var. *virescens* Watson

✓  
✓ 357 *Arabis Lemmonii* Watson.

✓ 358 *Ranunculus Escholtzii*, Schlecht.

✓ 359 *Eriophyllum caespitosum* var. *integerrimum*

✓ 360 *Aplopappus suffruticosus* Gray

The Needles

Aug 28

Aug 10, 13, 19, 31

Aug. 26

Aug. 28

near Camp 13

Aug. 23

~~Along Grandtall creek~~

Aug. 20 26

Headwaters of Cash Creek.

Aug. 21

Aug. 26

Aug. 18

✓  
✓  
361 *Symphoricarpos occidentalis* Hook

✓  
363 *Agrostis scabra* Willd.

362 *Lygodesmus elegans* Pursh  
near 249

✓  
364 *Angelica pinnata* Watson

✓  
365 *Betula glandulosa* Mich.

✓  
366 *Anemone multifida* Poir.

✓  
367 *Lychnis Drummondii* Watson.

✓  
368 *Collinsia pauciflora* Dougl

✓  
369 *Spilanthes Romanoffiana* Cham

✓  
370 *Arnica Chamissonis* Less

✓  
✓  
371 *Vaccinium Myrtillus* var. *microphyllum*

✓  
372 *Vaccinium myrtilloides* Hook.

Yellow. Nat. P. (On dry hillsides) Aug. 16

Near Camp 13 North Aug. 23

Near the mouth of Cache creek. Aug. 20.

On the way to Camp 12 Aug. 20

in the valley

Aug. 20

Aug. 19, 20, 16  
Aug 20

Aug 21

Aug 20 & 21

Aug ~~20~~ <sup>21</sup>



✓  
✓  
373 *Draba alpina* L.  
*Lesquerella montana* Watson

✓  
✓  
374 *Draba* ~~*montana* Watson~~ *crassifolia* Graham

✓  
✓  
375 *Epilobium alpinum* L.

✓  
✓  
376 *Arabis perfoliata* Lam.

✓  
✓  
377 *Draba* <sup>*alpina* L.</sup> *vestita* Gray

✓  
378 *Arabis spatulata* Nutt.

✓  
379 *Arabis Lyalli* Watson

✓  
380 *Astragalus alpinus* L.  
with 391

✓  
381 *Androsace septentrionalis*

✓  
382 *Salix Brownii* var. *petraea*

✓  
383 *Cerastium arvense* L.

✓  
384 *Senecio serra* Hook.

Aug. <sup>31</sup> 10

Aug. 31.

July 28 - 29.

Aug 31

Aug. 31.

Aug. 26

Aug. 26

Aug. 26

Aug 25 & 26

- ✓ 385 *Potentilla Platanensis* Nutt Aug. 26
- ✓ 386 *Arabis Lyalli* Watson Aug. 31.
- ✓ 387 *Arabis Lyalli* Watson Aug. 31
- ✓ 388 *Sedum stenophyllum* Pursh Camp 14 Aug. 26
- ✓ 389 *Chionodoxa ovalifolia* Nutt. Aug. 26
- ✓ 390 *Polymonium humilis* var. *pulchellum* S.
- ✓ 391 *Peucedanum coul* Watson Camp 14 Aug 26 / 93
- ✓ 392 *Saxifraga ovalaris* L Aug. 26
- ✓ 393 *Arabis Lyalli* Watson Aug. 31.
- ✓ 394 *Arenaria <sup>Sajanensis</sup> ~~biflora~~ var. carnosula* — (Robinson ined) Aug. 26.
- ✓ 395 *Senecio lugens* Richards?
- ✓ 396 *Lonicera Utahensis* Watson Camp 13 Aug 22



- ✓ 397 *Arabis Lyallii* Watson.
- ✓ 398 *Senecio lugens* Richards?
- ✓ 399 *Arabis Lemmonii* Watson (399a, b)
- ✓ 400 *Monolepis chenopodioides* Moq.
- ✓ 401 *Lemna trisulcata* L  
with 399 + 400
- ✓ 402 *Helianthella uniflora* J. & S.
- ✓ 403 *Pyrus sambucifolia* C. & S.
- ✓ 404 *Salix Barclayi* Anders
- ✓ 405 *Amica foliosa* Nutt
- ✓ 406 *Salix lasiandra* var. *Fendleriana* B.
- ✓ 407 *Epilobium suffruticosum* Nutt.
- ✓ 408 *Viola Canadensis* L

Aug. 31-

Timber Reserve, nr top Bootjack Peak - Aug. 31-

Between Camp 12 + 13

Aug. 12

Aug. 20

Aug 21

Sept. 2

Aug. 19.

Aug. 20

Aug. 20.

Camp 13

Soda Butte Creek

August 23.

✓  
✓ 409 *Linnaea borealis* Gronov.

-1- 11

✓ 410 *Saponaria Vaccuina* L.

✓  
✓ 411 *Eriogonum cernuum* var *tenue* J & Q

✓ 412 *Picea Englemanni* Engelm.

✓ 413 = 412

✓ 414 = 412

✓ 415 *Abies lasiocarpa* Nutt.

✓ 416 *Arceuthobium latifolia* Bong

✓  
✓ 417 *Parnassia fimbriata* Banks

✓ 418 *Chrysopsis villosus* Nutt

✓  
✓ 419 *Carex atrata* L.  
see H-5

✓  
✓ 420 *Moneses uniflora* Gray  
Collected by Philip Balla Lee

Mont

Aug. 22

Aug. 6

Marquette

Aug 6

Aug 11

Aug 13

Aug. 14

Yellowstone National Park.

Aug. 16

Aug. 13

Aug 10

July 27

Sept 8



✓ 421 *Zygadenus elegans* Pursh  
near 144 + 420

✓ 422 *Lycinus Drimmondii* Watson

✓ 423 *Iris Missouriensis* Nutt  
In meadow.

✓ 424 *Ranunculus Eschscholtzii*, Schlecht.

✓ 425 ~~Atriplex~~ *Chenopodium album* L

✓ 426 *Delphinium scopulorum* Gray

✓ 427 *Arabis Lemmonii*, Watson

✓ 428 *Helianthella quinquevallis* Gray

✓ 429 *Cerastium arvense* L

✓ 430 *Ostragalus alpinus* L  
with 235

✓ 431 *Valisneria spiralis* Banks

✓ 432 *Carex atrata* L

mixed

Belknap's Upper Ranch

near Camp 11

Yellowstone Nat. Park.

Camp 11.

Camp 11

Camp 13

Aug. 9

Aug. 6.

Aug. 19

Aug. 12

Sept 3

Aug. 13

Aug 13

Aug. 19.

Aug 19

Aug. 23

Aug. 19.

✓ 433 *Juncus mertensianus* Bong

✓ 434 *Peucedanum* cons Watson

✓ 435 *Erigeron ursinus*, Eaton?

✓ 436 *Troximon glaucum* Nutt

✓ 437 *Potentilla norvegica*, L.

✓ 438 *Astragalus campestris* Gray  
with 203 <sup>gracile</sup>

✓ 439 *Hieracium albiflorum* Hook  
with 152 + 259

✓ 440 *Draba gracilis* Adams.

✓ 441 *Aquilegia flavescens* Watson

✓ 442 *Arabis* <sup>one</sup> ~~Dummondii~~ *Graham*

✓ 443 = 442

✓ 444 *Arabis* sp.

Aug 19

Aug 16

Aug. 6<sup>10</sup>

Aug. 18

Aug 9 - 25, 26

Aug. 26

Sept

near Camp 14.

Aug. 26

Aug.



✓  
445 *Arabis Lemmonii* Watson

✓  
446 *Antennaria*

✓  
447 *Senecio Fiamonti* J & S

✓  
448 *Townsendia Parryi*, Eaton.

✓  
449 *Cystopteris fragilis*, B.

✓  
450 *Carex festiva*, Dew

✓  
451 *Senecio* sp.

✓  
452 *Antennaria* sp.

✓  
✓  
453 *Draba stenoloba* Ledeb.  
*montana* Watson.

✓  
454 *Aster canescens* var. *viscosus* G.

✓  
455 *Draba crassifolia* Graham.

✓  
456 *Antennaria racemosa* Hook.

Aug. 13.

Aug. 28.

Aug. 28

On high mountain south of Camp 14 -- Aug. 30.

Aug. 19.

Aug. 19.

Aug. 26.

✓  
✓  
457 *Claytonia Chamissonis* Eck

✓  
458 *Crepis* sp

✓  
✓  
459 *Draba glacialis* Adams.

✓  
460 *Gutierrezia Euthamiae* T. & G.

✓  
461 *Artemisia scopulorum* Gray

✓  
462 *Salix Brownii*, var. *petraea* - Rebb.

✓  
463 *Arabis Drummondii* Graham

✓  
464 *Juncooides spicatum*, Remy.

✓  
465 *Salix atrata* L.

✓  
466 *Amica longifolia* Eaton

✓  
467 *Lvesia Gordonii* T. & G.

✓  
468 *Dodecatheon jeffreyi* var. *alpina* Gray

Along Pelican creek

Aug. 17

Sept. 10

Aug. 19

Aug. 14.

Aug 9.

Aug. 14

Aug. 13 & 14

Aug. 10

August 10

Between Camps 4 & 5



✓  
✓  
469 *Carex festiva* Dew.

✓  
470 *Juncus longistylis* Torr.

✓  
471 *Aspidium Felix mas* var *meisum* Mett.

✓  
472 *Bouteloua oligostachya* (Muhl.) Gray

✓  
473 *Symphoricarpos occidentalis* Hook

✓  
474 *Gilia pumila* Nutt

✓  
475 *Malvastrum coccineum* Gray

✓  
476 *Osmorhiza nuda*, Torr.

✓  
477 *Angelica pinnata* Watson  
with 247

✓  
478 *Angelica Lyallii* Watson

✓  
479 *Penicillium corymbosum* Watson  
with 236

✓  
480 *Stellaria longifolia* Muhl.  
Goldie.  
with 17

Red Lodge

Northwestern Wyoming (Clark's P. O.) Sept. 10

Red Lodge

Clark's

Clark's P. O. Wyo.

Camp 13, Montana

Red Lodge Mont  
In a swamp.

Aug 7

Sept. 11

July 29

Sept 10

Sept 10

Aug. 8

Aug. 23 / 1893

Sept. 11 "

Aug. 19 "

Aug. 12 "

- ✓  
481 *Stellaria umbellata* Juncz
- ✓  
482 <sup>with 376</sup> ~~*Arenaria*~~ *Stellari* Pax -  
*Arenaria biflora* var
- ✓  
483 *Arenaria* <sup>with 235</sup> ~~*Sajanensis*~~ Willd
- ✓  
484 *Arenaria* <sup>with 188</sup> *consp. ta Nutt*
- ✓  
485 *Arenaria* *consp. ta Nutt*  
<sup>with 257</sup>
- ✓  
486 *Arenaria* *cerastium arvense* L
- ✓  
487 *Sagina Linnaea* Presl
- ✓  
488 *Silene* ~~*maritima*~~ *maritima* Hook
- ✓  
489 *Viola canina* <sup>var</sup> *Muhlbergii* Gray  
<sup>with 175</sup>
- ✓  
490 *Calliandra pygmaea* Gray  
<sup>with 183</sup>
- ✓  
491 *Calliandra pygmaea* Gray  
<sup>with 434</sup>
- ✓  
492 *Trifolium longipes* Nutt  
<sup>with 230</sup>

Red Lodge

Camp 4

Red Lodge

Camp 6

Aug 20

Aug 19

Aug 18

Aug 21

July 29

Aug. 9.

July 29

Aug. 12

Aug. 13

Aug. 16

Aug 18



✓  
✓  
493 *Lupinus caespitosa* Nutt

✓  
✓  
494 *Astragalus taquetianus* Watson  
with 183

✓  
✓  
495 *Astragalus taquetianus* Watson  
with 236

✓  
✓  
496 *Oxytropis <sup>Viscida Nutt</sup> splendens* Dougl.  
with 216

✓  
✓  
497 *Oxytropis splendens* Dougl  
with 239

✓  
✓  
498 *Rhus aromatica* var *triloba* Jacq

✓  
✓  
499 *Populus tremuloides* Michx

✓  
✓  
500 *Populus monilifera* Ait

✓  
✓  
501 *Sarcobatus vermiculatus* Torr

✓  
✓  
502 *Atriplex Nuttallii* Watson

✓  
✓  
503 *Monolepis chenopodioides* Moq

✓  
✓  
504 *Shepherdia Canadensis* Nutt

Camp 11.

August 18

August 13

Aug. 19

Aug. 17

August 26

Sept. 10

July 23

July 23

Sept. 10

Sept. 10

July 29

Aug. 8

Billings, Mont.

Billings Mont

Red Lodge  
About 10 miles from the town,  
Clarks

Red Lodge  
~~Beyond Camp 12~~

Near Camp 3

✓ 505 *Shepherdia canadensis* Nutt.

✓ 506 *Shepherdia argentea*, Nutt.

✓ 507 *Cystopteris fragilis* Bernh

✓ 508 *Botrychium Lunaria* L

✓ 509 ~~*Calochortus Gunnisonii* Nutt~~ *Fritillaria* - *pucida* Spreng. with 211

✓ 510 *Zygadenus elegans* Pursh.

✓ 511 *Zygadenus elegans* Pursh with 283

✓ 512 *Yucca*

✓ 513 *Smilacina stellata* Desf

✓ 514 *Spiranthes Romangoffiana* Cham with 192

✓ 515 " "

✓ 516 " "  
with 170

Red Lodge

July 29

Aug. 8

On the Thunder,

Aug 24

Camp 6

Aug. 11,

Aug 16

Red Lodge

July 29

near Camp 14

Aug. 26

On the desert

Sept 9

Red Lodge

July 29

Aug. 19



- ✓ 517 *Fritillaria atropurpurea* Nutt.
- ✓ 518 *Gentiana Fowoodii* Gray
- ✓ 519 *Gentiana serrata* Summ
- ✓ 520 *Gentiana Ammailla* var *acuta*
- ✓ 521 *Phacelia sericeus* Gray
- ✓ 522 *Phacelia sericeus* Gray
- ✓ 523 *Solanum rostratum* Dunal
- ✓ 524 *Lycopsis simulatus* Ell  
In valley
- ✓ 525 *Dodecatheon jeffreyi* var *alpina*  
*paniculatum* Dunal
- ✓ 526 = 525
- ✓ 527 *Androsace septentrionalis* L
- ✓ 528 *Lymphocarpus occidentalis* Hook

- |                     |             |
|---------------------|-------------|
| Red Lodge           | July 28     |
| Pellicom Creek      | Aug. 17     |
| near Camp 5         | Aug 10 + 11 |
| near Camp 3         | Aug. 11     |
| Between Camps 3 & 4 | Aug. 9      |
| Between Camps 4 & 5 | Aug 13      |
| Transythe mont      | July 23     |
| Red Lodge           | July 29     |
| near Camp 11        | Aug 19      |
| near Camp 14        | Aug. 26     |
| near Camp 11        | Aug. 19     |
| Red Lodge           | Spt 11      |

- ✓  
✓ 529 *Valeriana sylvatica* Banks
- ✓  
✓ 530 *Juncus confusus*, Coville
- ✓  
✓ 531 *Peucedanum coulteri* Watson
- ✓  
✓ 532 = 531
- ✓  
✓ 533 *Cymopterus terbinthus* J. & G.
- ✓  
✓ 534 *Juncoides spicatum* Kunth
- ✓  
✓ 535 *Juncus Mertensianus*, Bong.
- ✓  
✓ 536 *Juncus rhiphioides* var. *montanus* Engelm.
- ✓  
✓ 537 *Juncus subtriflorus* Coville
- ✓  
✓ 538 *Lychnis Drummondii* Watson
- ✓  
✓ 539 *Cerastium alpinum* var. *Behringianum* Regel
- ✓  
✓ 540 *Cerastium arvense* L.

S Montana near Camp 13

Clarks Fork Valley

Aug 23

Sept 3

Aug 29

Aug 31

Sept. 7

Aug. 26

Aug 8

Aug 29

Aug. 22

Sept. 7

Aug. 31



✓  
✓ 541 *Crastium arvense* L

✓  
✓ 542 *Arenaria* <sup>*japonensis* Willd</sup> ~~*biflora*~~ *carnosula* Watson.

✓  
✓ 543 *Spraguea umbellata* Torr.

✓  
✓ 544 *Claytonia megarrhiza* Parry

✓  
✓ 545 *Viola Nuttallii* Pursh

✓  
✓ 546 *Sedum stenopetalum* Pursh

✓  
✓ 547 = 546 " " "

✓  
✓ 548 *Sedum Rhodiola* DC.

✓  
✓ 549 *Tupolum Andersonii* Nutt

✓  
✓ 550 *Oxytropis viscida* Nutt

✓  
✓ 551 *Astragalus frigidus* var *Americanus* Nutt

✓  
✓ 552 <sup>*Lupinus*</sup> *Astragalus argenteus* var *decumbens* Nutt

Aug. 31

Aug 31(?)

Aug. 29

Aug. 31

Sept 3

Aug. 31

Sept 7

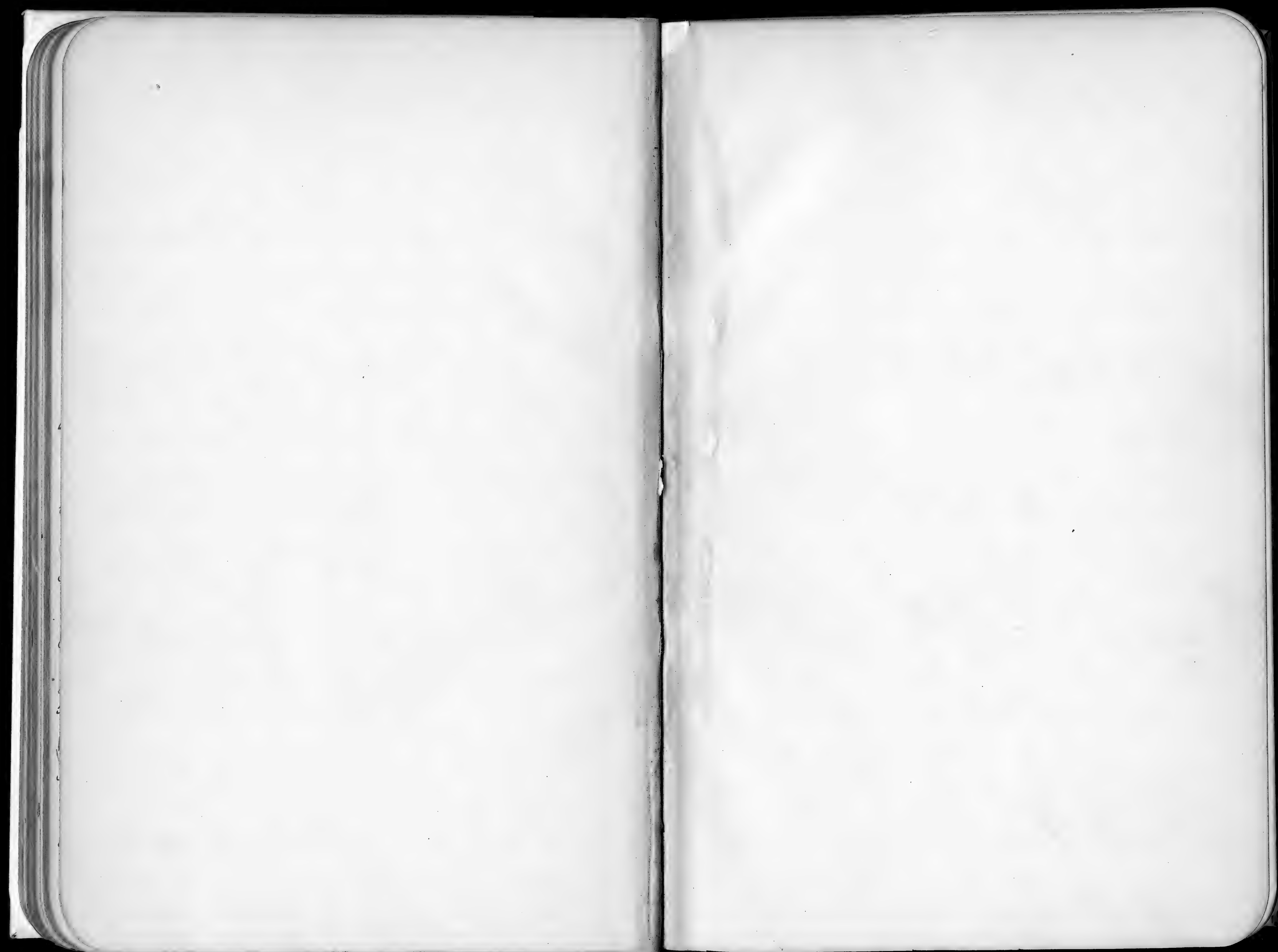
Aug. 31

Sept 7

Aug. 31

Sept 3

Aug 30





- ✓ 533 *Placcha cincta* Jacqf.  
 ✓ 534 *Campanula rotundifolia* L.  
 ✓ 535 *Gentiana Forwoodii* Gray  
 ✓ 5-56 *Salix candida*  
 ✓ 5-57 *Salix monticola* Bebb?  
 ✓ 5-58 *Salix Brownii*, var. *petraea*  
 ✓ 559 *Symphoricarpos occidentalis* Hook  
 ✓ 560 = 539  
 ✓ 561 = 539  
 ✓ 562 *Lonicera Utaensis* Watson  
 ✓ 563 ~~*Gallium triflorum* Michx.~~  
 ✓ *Eriogonum ovalifolium*  
 ✓ 564 *Zygadenus elegans* Pursh

Sept. 4

Aug. 31

Sept. 2

Sept. 3

Sept. 2

Aug. 31

Sept. 3

Sept. 4

Sept. 1

Aug. 30

~~Sept. 2~~

Sept. 6

Sept. 3

✓✓  
565- *Prosartes trachycarpus* Watson

✓  
566 *Cystopteris fragilis* Bernh

✓  
567 *Equisetum pratense* Ehrh

✓  
568 *Scirpus lacustris* L.

✓  
569 *Carex atrata* L. in mts

✓  
570 *Carex atrata* L.

✓  
571 *Carex atrata* L.

✓  
572 *Populus angustifolia* James in mts

✓  
573 *Juniperus communis* var *alpina* Guad

✓  
574 = 573

✓  
575 = 573

✓  
576 *Juniperus Virginiana* L.

Sept. 7

Aug. 31

July 26

Sept. 3

Aug 29

Aug. 10

Aug. 13

Sept. 1

Sept 2

Sept. 6

Aug. 31

Sept. 2

On the high divide

On Brandall creek



✓ 577 = 576

✓ 578 *Juniperus Sabina* var *procumbens* Pursh

✓ 579 = 578

✓ 580 *Pseudotsuga Douglasii* Carr.

✓ 581 *Abies lasiocarpa*, Mill.

✓ 582 = 581

✓ 583 *Picea Englemanni* Engelm

✓ 584 = 583

✓ 585 *Pinus Murrayana* Balfour

✓ 586 *Pinus flexilis* James

✓ 587 *Pinus albicaulis* Engelm

✓ 588 *Polygonum Tenorei* Michx.

Sept 2

Sept. 5

Sept. 8

Aug 31

Aug 11

Aug. 31

Aug. 31

Sept. 6

Aug 11, 93

Aug 31

Aug. 31

July 28

Red Lodge

✓ 589 *Polygonum Douglasii*, Greene

✓ 590 " *convolvulus* L.

✓ 591 " *littorale*, Link.

✓ 592 " *Douglasii* Greene, var. *latifolium* (Engelm.) Greene

✓ 593 " *bistortoides*, Pursh, approaching the var. *linearifolium*.

✓ 594 *Eriogonum ovalifolium* Nutt with 147

✓ 595 *Eriogonum umbellatum* Torr

✓ 596 *Eriogonum umbellatum* var. *monocephalum* J. & G.

✓ 597 *Pyrola chlorantha* Swartz with 144

✓ 598 *Pyrola pecta* Smith

✓ 599 *Ledum glandulosum* Nutt

✓ 600 *Rayanthus empetrifolius* Gray

On Clear Creek

Red Lodge

Red Lodge

Camp 4

Yellowstone National Park

Between Camps 3 & 4

"

"

Aug. 16

July 28

July 29

Aug. 9

Aug.

Aug. 9

Aug 9

Aug. 9

Aug 9

Aug. 31

Aug 15

Aug. 10



✓  
✓  
601 *Polimonium humile* var *pulehellum* Gray

✓  
602 = 601

✓  
603 *Chamaethodol erecta* Buzne

✓  
604 *Gilia congesta* Hook

✓  
605 ~~*Epilobium alpinum* L.~~  
~~*Myrica glomerata* Gray~~  
with 297

✓  
606 *Mertensia alpina* Don

✓  
607 = 603

✓  
608 *Veronica alpina* L

✓  
609 = 608

✓  
610 *Mimulus Lewisii* Pursh

✓  
611 *Oothocarpus pilosa* Watson

✓  
612 *Peristemon Lyallii*

Aug 28

Aug. 31

Sept. 6

Aug. 31

~~Aug 31~~

Aug. 14

Aug. 19

Aug. 11

Aug. 12

Aug. 9

- ✓  
613 *Pentstemon decastus* Dougl.
- ✓  
614 *Epilobium suffruticosum* Nutt.
- ✓  
615 *Epilobium labifolium* L.
- ✓  
616 *Epilobium clavatum* Tuckerm.
- ✓  
617 *Gayofytum ramosissimum* T & G
- ✓  
618 *Epilobium paniculatum* Nutt.
- ✓  
619 *Oenothera biennis* L.
- ✓  
620 *Ribes viscosissimum* Pursh.  
~~*sanguineum* var. *variegatum*~~
- ✓  
621 *Ribes*
- ✓  
622 *Ribes laciniatum* var. *parvulum* Engelm.
- ✓  
623 = 622
- ✓  
624 *Ribes molle*

Aug 30

Sept 7

Aug 9

Aug. 29

Aug. 12

Camp 19

Sept 3

July 29 Red Lodge

July 29

Red Lodge Mount

July 29

Sept 4

near Camp 3

Aug. 8

Sept. 6

Aug. 26



✓  
✓  
625 - Ribes cereum Dougl.

✓  
626 = 625

✓  
627 = 625

✓  
628 Ribes

✓  
629 Parnassia palustris L

✓  
630 Parnassia fimbriata Banks

✓  
631 Saxifraga nivalis L

✓  
632 Saxifraga caespitosa L

✓  
633 Saxifraga cuneolata L

✓  
634 Polygonum imbricatum Nutt

✓  
635 - Rubus Nutkanus Mocino

✓  
636 Geranium macrophyllum Willd

Camp 3

Red Lodge

Aug 7 Camp 4 / 23

Aug. 8

Sept. 2

Aug. 30

Sept 7

July 27

Aug. 19

Aug 19

Aug. 31

Aug 24

Aug. 9

July 27

Sept 4

✓  
637 *Potentilla gracilis* Dougl.

✓  
638 *Salix desertorum* Rich

✓  
639 *Salix rostrata* Richardson

✓  
640 *Rosa Sayi* Schwein.

✓  
641 = 640

✓  
642 *Rosa Nutkana* Paed

✓  
643 = 642

✓  
644 = 642

✓  
645- *Potentilla dissecta* Pursh

✓  
646 = 645

✓  
647 = 645

✓  
648 *Pentstemon montanum* Greene

Sept 6

Sept. 3

Aug. 20

Aug. 30

Sept 6

Sept 4

Sept 8

Sept 10

Aug. 26

Aug 31 = -



✓  
✓  
649 *Anemone patens* var *huttallii* Gray

✓  
✓  
650 *Ranunculus cymbalaria* Pursh

✓  
✓  
651 *Draba glacialis* Adams

✓  
✓  
652 *Draba* <sup>*crassifolia* Graham</sup> ~~*memosa* var *leiocarpa* Lindbl~~

✓  
✓  
653 *Draba* <sup>*nivalis* var. *elongata* Watson</sup> ~~*steroloba* Ledeb~~

✓  
✓  
654 *Draba* ~~*montana* Watson~~ *crassifolia* Graham.

✓  
✓  
655- *Bigelovia Douglasii* var. *tortuifolia* Gray

✓  
✓  
656 *Bigelovia* <sup>= 657</sup> ~~*Douglasii* Gray~~

✓  
✓  
657 " *graveolens* Gray var *glabrata* Gr.

✓  
✓  
658 " " var *latisquam*

✓  
✓  
659 " " *albicaulis* Gray

✓  
660 = 659

July 27

Aug. 23

Aug. 31

Aug 9

Aug 14-24

Aug. 27

Sept 6

Sept 10

Sept 8

Sept 10

Sept 8-10

Sept. 3 ~

✓  
661 *Artemisia scopulorum* Gray

662 " *cana* Pursh

663 " *frigida* Mill.

664 " *Ludoviciana* Nutt

665 " *borealis* Roll

✓  
666 *Chaenactis Douglasii* var *alpina* Gray

667 *Aplopappus acaulis* var *glabatus* Eaton

668 *Antennaria racemosa* Hook  
with 205

669 *Madia glomerata* Hook

670 *Balsamorhiza sagittata* Nutt

671 *Franseria Hookeriana* Nutt

672 ~~Artemisia~~ <sup>ntennaria</sup> *alpina* Eaton

Aug. 31/93

Sept. 10

Sept 5

July 29, Sept 10

Sept. 7

Aug 17

Aug 26

Aug 10

July 24

July 29

Sept 8

Aug 19

Red Lodge



- ✓ 673 *Antennaria alpina* Gaertn  
 ✓ 674 *Antennaria dioica*, Gaertn.  
 ✓ 675 *Anaphalis margaritacea* Bth  
 ✓ 676 *Hieracium Scouleri* Hook  
 ✓ 677 " *umbellatum* Michx  
 ✓ 678 " *albiflorum* Hook  
 with 209  
 ✓ 679 *Taraxicum officinale* Heber  
 ✓ 680 *Crepis occidentalis* Nutt  
 ✓ 681 *Troximon glaucum* Nutt  
 ✓ 682 *Aphloppus lanceolatus* T. & G.  
 ✓ 683 *Senecio aureus* var *croceus* Gray  
 ✓ 684 *Erigeron Bonforus* var

Aug. 29.  
 Aug. 16  
 Sept 11  
 July 8 Sept  
 July 28  
 Aug. 15~  
 Aug. 9  
 Aug. 16  
 July 29  
 Sept 10  
 Sept 4  
 Aug 9, 31

✓✓  
6685 = 684

✓✓  
6686 *Erigeron compositus* var *discolor* Gr.

✓✓  
6687 *Aster tanacetifolius* HBK

✓✓  
6688 *Aster elegans* T. & G.

✓✓  
6689 *Poa rupestris* Vasey.

✓✓  
6690 *Arabis Drummondii* fide W. M. Gray

✓✓  
6691 *Draba ~~renata~~ alpina* -

✓✓  
6692 *Festuca ovina* var. *brevifolia* Watson

✓✓  
6693 *Poa arida* Vasey

✓✓  
6694 *Poa purpurascens* Vasey.

✓✓  
6695 *Agropyrum Scribneri* Vasey.

✓✓  
6696 *Festuca ovina* var. *brevifolia* Watson

Aug 13 & 19

Aug. 13

Sept 10

Sept 5

Timber Reserve (high Mt. meadow) Aug 31.

" " 11 Aug. 18.

Yellowstone Nat. Park. Aug. 7

Timber Reserve Aug.

Timber Reserve Aug. 29.

Timber Reserve (high Mts. betw. Cache & Grandall crs.) Aug. 29.

Timber Reserve (Bootjack Peak) Aug. 31.

Timber Reserve (near top of Bootjack Peak.) Aug. 31.



- 697 *Festuca ovina* var. *brevifolia* Wa.  
 698 *Bromus breviaristatus* Thurb.  
 699 *Agrostis canina* L.  
 700 *Agrostis humilis* Vasey.  
 701 *Poa reflexa* Vasey & Scribner.  
 702 *Alopecurus geniculatus* L.  
 703 *Poa alpina* L.  
 704 *Townsendia incana* Nutt.  
 705 *Marchantia polymorpha*, L.  
 706 *Hypnum restile* Michx.  
 707 *Mnium punctatum* Hedw.  
 708 *Orthotrichum anomalum*

- Yellowstone Nat. Park (above Camp 7) Aug. 14  
 Timber Reserve (dry creek bottom) Sept. 4  
 Yellowstone Nat. P. Aug. 16.  
 Yellow. Nat. P. (north of Camp 11, high mt. -) Aug. 19.  
 Yellow. Nat. Park (near top of Mtn. Nth. of Camp 11) Aug. 19.  
 Yellowstone N. P. (North of Camp 11) Aug. 19.  
 Yellow. Nat. Park (North of Camp 11) Aug. 19.  
 Yellowstone Nat. Park Aug. 19.  
 Northwestern Wyoming (near Camp 3) Aug. 8.  
 Southern Montana Aug. 22.  
 " " Sept. 11  
 Timber Reserve

- |   |                        |          |
|---|------------------------|----------|
| ✓ 709. <i>Aulacomnium palustre</i> var. <i>imbricatum</i> . | Timber Reserve         | Aug. 31. |
| ✓ 710 <i>Polytrichum gracile</i> Nees.                      | Northwestern Wyoming   | Aug. 25- |
| ✓ 711 <i>Polytrichum juniperum</i> Willd.                   | Timber Reserve.        | Aug. 9.  |
| ✓ 712 <i>Distichium capillaceum</i> B. & S.                 | Yellowstone Nat. Park. | Aug. 19. |
| ✓ 713 <i>Hypnum fluitans</i> L.                             | Timber Reserve.        | Aug. 31  |
| ✓ 714 <i>Bryum caespitium</i>                               | Timber Reserve.        | Aug. 8   |
| ✓ 715 <i>Webera nutans</i>                                  | Southern Montana       | July 29. |
| ✓ 716 <i>Grimmia calyptrata</i> Hook                        | " "                    | July 28. |
| ✓ 717 <i>Distichium capillaceum</i> B. & S.                 | Yellowstone Nat. Park. | Aug. 8.  |
| ✓ 718 <i>Polytrichum piliferum</i> Schreb.                  | Timber Reserve         | Aug. 31. |
| ✓ 719 <i>Distichium capillaceum</i> B. & S.                 | Yellowstone Nat. Park. | Aug. 24  |
| ✓ 720 <i>Saxifraga integrofolia</i> Hook                    | Y NPark.               | Aug. 19  |



- |  |  |           |
|--|--|-----------|
| ✓ 721. <i>Bullia geographica</i> Tuck.   | Timber Reserve (on rocks near Boatjack peak) | Aug. 3.   |
| ✓ 722. <i>Lecanora rubina</i> , var. <i>opoca</i> . <sup>aeh.</sup><br>with the above. | " "  | " 3.      |
| ✓ 723. <i>Stereocaulon tomentosum</i> L.<br>with the above.                            | " "  | " 3.      |
| ✓ 724. <i>Placodium elegans</i> , Dc.<br>with the above.                               | " "  | " 3.      |
| ✓ 725. <i>Uromyces hedydari obscuri</i> Dc.  | Timber Reserve                               | Sept. 7.  |
| ✓ 726. <i>Puccinia scandica</i> Johans.  | Yellowstone Nat. Park                        | Aug. 14.  |
| ✓ 727. <i>Chrysomyxa goeppertiana</i> Kuhn.  | Northwest Wyoming                            | Aug. 26.  |
| ✓ 728. <i>Chrysomyxa pirolae</i> Rostk.  | " "  | Aug. 8.   |
| ✓ 729. <i>Cylindrosporum equisetum</i> .   | " "  | Sept. 7.  |
| ✓ 730. <i>Puccinia aberrans</i> Peck   | Yellowstone Nat. Park.                       | Aug. 14.  |
| ✓ 731 = 730  |  | Aug. 13.  |
| ✓ 732 <i>Fusilladium</i> B + Br.   | Southern Montana.                            | Sept. 11. |

- |   |                        |          |
|---|------------------------|----------|
| ✓ 733. <i>Puccinia acrophila</i> Peck           | Northwestern Wyoming   | Aug. 26. |
| ✓ 734 <i>Puccinia gerani-silvatici</i> , Karst. | Southern Montana       | Aug. 28. |
| ✓ 735- <i>Puccinia saxifragae</i> Schlecht.     | Yellowstone Nat. Park  | Aug. 14. |
| ✓ 736 <i>Urocystis anemones</i>                 |                        |          |
| ✓ 737. <i>Puccinia drabicola</i>                | Butte Nat. Park        | Aug. 31. |
| ✓ 738. <i>Puccinia congregata</i> E. & H.       | Northwestern Wyoming   | Aug. 26  |
| ✓ 739 <i>Bartramia ithyphylla</i> Brid          | Yellowstone Nat. Park. | Aug. 14. |
| 6 740   |                        |          |
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816. *Luspedeza striata* H. + A.



6 817 *Cassia nictitans* L.

6 818 *Strophostyles peduncularis* Ell.

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6 826 *Lespedeza procumbens* Michx.

6 827 *Dicopfura capillacea* DC.

828 *Merbonia ciliaris* (Muhlent.) Schindl.

6 829 *Hydrocotyle*

6 830 *Meibomia ochrotenica* (Curt.) O. Ktze

6 831 *Danicula*

6 832 *Hibiscus moschutos* L.

6 833 *Meibomia lineata* (Muhl.) O. Ktze

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6 836 *Lespedeza reticulata* Pers.

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8 840

+ *M. paniculata* (L.) O. Ktze



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6 854 *Strophostyles angulosa* Ell.

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6 863 *Kosteletzkia virginica* Gray.

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See next page

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Plants collected

by  
J. R. Ross.



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1101 *Agave washingtonensis* Baker & Rose

1102 *Agave attenuata* Salm.

1103 *Gomoea nelsoni* Rose

1104 *Anoda acutifolia* DC.

1105 *Roseanthus albiflorus* Cogn.

1106 *Momordica Zeylanica* Mull.

1107 *Anoda Thunbergii* Gray

1108 *Hydroelia*

1109 *Sida*

1110 *Rhynchosia phaseoloides* DC.

1111 *Anoda pubescens* Schlecht.

1112 *Spananthe paniculata* Jacq.

Bot. Gard. 1897

Botanic Garden. Washington DC.  
1897

Green House of Dept. Agr. Washington DC.  
= Palmer's 1863, 1891. Jan. 1897

Cultured from Mex. can seed Washington DC.  
= Palmer's no 909 (1890) 1896

Cultured from Mex. can seed Washington DC.  
= Palmer's no. (1895)

Cultured from Mex. can seed Washington DC.  
= Palmer's no 533 (1895)

Cultured from Mex. Bound. seed. " "  
= E. A. Means no (1893)

" " Mex. seed. " "  
= Nelson's no 2882 (189 )

" " " " " "  
= E. Palmer's no 222 (1895)

E. W. Nelson's no 2052 (1894)

= Nelson's no (18 ) Mex. 1897

" "  
= Nelson's no 2101 (1894) 1896



- 1113 *Mazus rugosus* Lour.  
 1114 *Thalictrum lanatum* Lec.  
 1115 *Calliandra Tweedii* Benth.  
 1116 *Ruellia albiflora* Fernald  
 1117  
 1118 *Eleome*  
 1119 *Melvaosens*  
 1120  
 1121 *Allium crispum* Greene  
 1122 *Abutilon* <sup>*reticulata* Rose, n. sp.</sup> *Andersii* Hemsl.  
 1123 *Tillandsia fasciculata* Swartz

In escape on grounds of Defeat. Agr. Washington D.C.  
 1895, 1896,

Cultivated from Mexican seed

= Nelsons 32362

Botanic Garden

Washington D.C.

1897

Cultivated from Mexican seed

= Pelms no 49 from Acaapulco

1896

1897

Cultivated from Mexican seed

= Nelsons 1815

Cultivated from Mexican seed

= Nelsons <sup>no</sup> 2479

1897

1897

= Pelms <sup>no</sup> 215

Cultivated from bulbs sent by E. Ramon

Solided Cal 1896

F.V.C. & J.N.R.

Cultivated from Mex seed

= Nelsons 2296

1897

1897

1897

1897

Spec from Fla



1124 *Callisia repens* L.

1125 *Synotis bicolor* Pursh

1126 *Agave*

1127 *Agave*

1128 *Sedum ternatum* Michx.

1129 *Sedum nevii* Gray

1130 *Rhoeo discolor* Hance

1131 *Agave potatorum* Zuccar.

1132 " *Taylori* Hook

1133 " *undulata* L.

1134 *Sporonema fragrans* Lindl.  
(Commelinaceae)

Common in greenhouses

1897

Green House, Dept Agric.

1897

Cultivated from seed ~~sent~~ Cape of Good Hope

Cultivated in Bot. Gard.

1897

" " " "

"

Green House Dept Agric

1897

Transplanted from Cumberland Md.

" " " "

1897

" " " "

Botanical Gardens Washington DC

1897

" " " "

"

" " " "

Green House of Dept Agr.

1897

1135 Agave santori C. Koch.  
Spike only

1134a Allium serratum Watson  
4039

~~1135~~ Ochna multiflora  
with in herb

1136 Stelityia ovata Bregand.  
with in herb

1137 Myrphaea rubra Roxb.

1138 " Mexicana Zucc.

1139 " Zanzibariensis Casp. var rosea  
flowers are colored

1140 " Zanzibariensis Casp. var.  
flowers violet

1141 Zygadenus paniculatus Watson?  
bulbs sent to Bot Gard & Agr.

1142 Commelina

1143 Tradescantia brevifolia Rose

Bot Garden

1897

Col. by W.C. Chipman San Jose Cal.  
April 1897

Bot. Garden

April 12 1897

" " " " "  
Native of the Cape of Good Hope  
Bot. Garden

1897

Root stalk and young plant.

Bot. Gard.

cluster of tubers

Collected by W.C. Chipman San Jose Cal.  
April 1897

1897

Young plants for University Pa  
Green House Dept Agr

1897



1144 *Tradescantia*

<sup>1<sup>st</sup></sup> drawing made from this sp.

1145 *Eregma bulbosa* Nutt

1146 *Phacelia Covillea* Watson

1147 *Dicentra canadensis* L

1148 *Trollium sessile*

1149 *Erythronium albidum* Nutt

1150 *Bloomeria coccinea* <sup>(Zorn)</sup> Coville & Z

1151 *Silene maritima* Nutt

1152 *Lamium amplexicaule* L.

1153

flowers white

1154 *Asarum virginicum* L

Green House Dept of Agr  
Specimens sent from Indersby, Texas.  
Plummer Is

1897

Ind. April 23/897

" "

" "

" "

" "

Green House Dept of Agr.

1897

Bulbs combs from Solidad Cal.

Both said

1897

Specimens obtained by Mr. L. Oliver in Scotland  
and in Both said

" " " "

Wilmington D.C.

1897

Communicated to J. Rose by Mr. L. Oliver



1153<sup>✓</sup> *Tradescantia*

= c<sup>2</sup>

San Antonio Texas

April 2/1897

1156<sup>✓</sup>

= c<sup>8</sup>

Specimens sent by H. R. Arnold.

1157<sup>✓</sup>

" *Phoenicis* Roy

c<sup>1</sup>

Indusky Texas

April 6/1897

1158<sup>✓</sup>

= c<sup>7</sup> c<sup>4</sup>

H. Muzlow

1159<sup>✓</sup>

"

Specimens sent by Otto Locke

New Brunswick Texas April 14/1897

Cherry Chase D.C. May 2/1897

✓ 1160 *Ranunculus hispidus* Michx.

1161 *Agave albicans* Jacobi

Bot. Gard.

1897

1162 " *Purysii* Engelm.

1163

1164

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1166

1167 Agave

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1169

1170 Agave

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✓ 1176 *Oreobroma Tweedii* Howell

1177 *Antennaria neglecta* Greene

Sent by A. J. Johnson Astoria Oregon  
Washington D.C. May 23/97

110 1178. *Dasy leuion*

110 1179.

110 1180. *Cyrtina crista-galli* L

110 1181. *Dasy leuion*

hunk 2 ft high

110 1182. "

110 1183. "

110 1184. "

110 1185. "

110 1186. —

110 1187. *Phacelia* ~~sp.~~ *sp.*

110 1188. *Phacelia sphaeralcea pedatifida* (Gray) Gray.

Bot. Garden

Washington D.C. 10-22/97

"

"

"

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10-23/97

Greenhouse, Dept. of Agriculture.

Oct.

1897.

Seed collected by Dr. Palmer at Mangrove Key

Since June 1st, 1897

Oct. 1st, 1897





- 110 1200. *Agave Palmieri* Engelm. Herb. Gr. Kew.
- 110 1201. *Caesalpinia Palmieri* Watson Herb. Gr.
- 110 1202. *Physalis Fendleri* Gray. Herb. Gr. Kew.
- 110 1203. *Pithecolobium sonora* Watson. Herb. Gr. Kew.
- 11 1204. *Sida hederacea* Torr.
- 11 1205. *Melochia arida* Rose sp. nov. ✓  
Gray Mex
- 11 1206. *Passiflora foetida arida* Masters & Rose, n. var. ✓  
Gray ~~Mex~~ N.Y.
- 11 1207. *Gutierrezia fasciculatus* Watson. Herb. Gr. Kew.
- 11 1208. *Sida hederacea* Torr.
- 11 1209. *Sphaeralcea arida* Rose, n. sp. ✓  
Gray, Mex. N.Y.
- 11 1210. *Physalis Wrightii* Gray. Herb. Gr.

Nogales Mexico Jun 4/897

Maymas Mexico June 5<sup>th</sup> 1897

South end of town in garden of Mr. Craff.

Common near the river.

11 1211. *Physalis* ...

11 1212. *Physalis* ...

11 1213. *Physalis* ...

11 1214. *Physalis* ...

11 1215. *Physalis* ...

11 1216. *Physalis* ...

11 1217. *Physalis* ...

11 1218. *Physalis* ...

11 1219. *Physalis* ...

11 1220. *Physalis* ...



Guaymas, State of Sonora.

June 7, 1897

1211.

*Opuntia*

1212.

*Cereus alomensis* Coulter.

1213.

*Cereus*

1214.

*Cereus schottii* Engelm.

1215.

*Echinocactus*

1216.

*Antigonon leptopus* Hook & Arn.

Herb. sp. Kew.

1217.

*Opuntia*

1218.

*Guaiacum*

1219.

*Cassia*

1220.

*Galphimia angustifolia oblongifolia* Gray.

1221.

*Nicotiana trigonophylla* Dun.*Nicotiana*

Herb. sp. Kew.

June 6 &amp; 7/97

" 6 &amp; 7/97



110 1222. *Cassia sonora* Rose nsp. ✓  
*Cassia* Mex. Gray

110 1223.  
*Trigonotis*

110 1224. *Croton* Kew. Muhl. Muhl. Gray, Mex. ✓  
 4

110 1225.  
*Portia galeata*

11 1226. *Alouatta palliata* Muhl. Kew. Mex. ✓

11 1227. *Babbia juncea* Greene. aut. J. M. G. ✓  
*Croton* - Muhl. Muhl. Kew. Mex. 1

11 1228.  
*Euphorbia*

11 1229.  
*Portia*

11 1230.  
*Euphorbia*

11 1231.  
*Portia*

11 1232.  
*Portia*

11 1233.  
*Portia*

Guaymas, State of Sonora.

Guaymas, State of Sonora.

June 6, 1897.

110 1233.

110 1234.

110 1235.

110 1236. *Abrutylon crispum* Medic*Abrutylon crispum* Medic11 1237. *Eupatorium sagittatum* Gray.*Eupatorium sagittatum* Gray.

11 1238.

*Eupatorium sagittatum* Gray.

11 1239.

*Eupatorium sagittatum* Gray.

11 1240.

*Eupatorium sagittatum* Gray.

11 1241.

*Eupatorium sagittatum* Gray.

11 1242.

*Eupatorium sagittatum* Gray.11 1243. *Baerhaavia sonora* Rose*Baerhaavia sonora* Rose2  
✓  
my

Guaymas, State of Sonora.

June, 6, 1897.

110 1244. *Solanum elaeagnifolium* Cav.

110 1245.

2

110 1246.

110 1247. *Acacia sonorensis* Rose. sp. nov.  
*Acacia* Mx.,

110 1248.

1

110 1249.

3

110 1250. *Forchammeria Watsoni* Rose.

110 1251.

110 1252. *Argemone ochroleuca* Sweet.

110 1253. *Pomieria regia* L.

110 1254. *Abutilon incanum* (Link) Sweet.  
 Mx. Gray.  
 Herb. Gr.

redo only 7/97

June 8/99



Guaymas, State of Sonora.

June 8, 1897.

Mex

1255. *Hibiscus coulteri* Harvey1256. *Lycium Richii* Torr.1257. *Petunia parviflora* Juss.

1258.

1259.

1260. *Opuntia*1261. " *gosseliana* Weber1262. *Horsfordia newberryi* (Watson) Gray

1263.

1264. *Pisonia capitata* (B. Wats.) Standley

1265.

Only living specimens

Trunk 52 in. in circumference.

Guaymas, State of Sonora,

June 8, 1897.

- 110 1266. *Euphorbia polycarpa* Beh.
- 110 1267. *Nicotiana glauca* Graham.
- 110 1268.
- 110 1269.
- 110 1270.
- 110 1271.
- 110 1272. *Porophyllum brachypodium* Robinson n. sp.
- 110 1273.
- 110 1274.
- 110 1275.
- 110 1276.





Guaymas, State of Sonora.

June 5-11, 1897.

110 1288.

110 1289. *Brickellia Coulteri* Gray.

110 1290.

110 1291.

11 1292. *Jatropha canescens* (Benth) Muell Arg. ✓  
Mex11 1293. *Physalis Fendleri* Gray.

1294.

11 1294. \* *Misligenia costellata* Rose, sp. nov.  
Mo. Br. N.Y.11 1295. *Acacia occidentalis* Rose sp. nov.  
Gu.

11 1296.

11 1297. *Argemone ochroleuca* Swat.11 1298. *Franseria ambrosioides* Cav.

110 1299. *Argemone munita* Dur. & Hilg.

110 1300.

110 1301.

*Agave*

110 1302.

*Agave*

11 1303.

*Blue*

11 1304.

*Red-flower*

Gr. N.Y.

11 1305.

*Sphaeralcea californica* Rose.

11 1306.

*Gossypium barbadense* L.

*Gossypium barbadense*

11 1307.

*Stachys*

11 1308.

*Helix*

11 1309.

*Euphorbia mercuria* Boiss.

Gray Kew N.Y.

110 1310. *Lycium Richii* Torr.

*Lycium*

110 1311.

*Abutilon*

110 1312. *Encelia farinosa* Gray.

*Encelia*

110 1313. *Sonchus oleraceus* L.

*Sonchus*

110 1314.

*Lycium*

110 1315.

*Portulaca*

110 1316.

*Bassia*

110 1317.

*Passiflora*

110 1318. *Passiflora foetida arida* Masters & Rose.

*Passiflora*

110 1319

*Bassia*

110 1320.

*Abutilon*

My.

3



110 1321. *Emilia sagittata* DC. (aut. J. M. G.)  
*Emilia sagittata*

110 1322. *Apium annu* (Jacq.) Urban.  
*Apium*

110 1323.  
*Inchilola*

110 1324.  
*My. Gray.*

110 1325. *Hibiscus schizopetalus* (Masters) Hook.  
*Hibiscus schizopetalus* (Masters) Hook.

110 1326.  
*Sarcocolla*

110 1327.  
*Pithecellobium*

110 1328.  
*Thymus*

110 1329.  
*Myrtus*

110 1330.  
*Lycium*

110 1331.

110 1332.

110 1333.

110 1334.

110 1335.

110 1336. *Abutilon crispum* Medic.*Abutilon crispum* Medic.

110 1337.

110 1338.

110 1339.

110 1340.

110 1341. *Lycium Richii* Torr.*Lycium*

Nysb. Gay, Mex.

110 1342.

*Gratiola*

110 1343.

*leaves*

110 1344.

*Green*

110 1345.

*Crotalaria*

11 1346.

*leaves*

11 1347. *Abonia maritima* Nutt.

*Abonia*

Gr. N.Y. 2

11 1348.

*leaves*

11 1349.

*leaves*

Kew. ✓

11 1350.

*leaves*

1

11 1351.

*leaves*

11 1352.

*leaves*

Gr. N.Y. ✓  
3

11 1353.

*leaves*



110 1354.

*Willow tree*

110 1355.

*Willow tree*

110 1356.

*Willow tree*

110 1357.

*Willow tree*

110 1358.

110 1359.

*Willow tree*

110 1360.

*Willow tree*

110 1361.

110 1362.

110 1363.

110 1364.

*Willow tree*

110 1365.

110 1366.

110 1367. *Histiachlis spicata* (L.) Greene.110 1368. *Eupatorium sagittatum* Gray.

110 1369.

110 1370. *Monanthochloe littoralis* Engelm.

110 1371.

110 1372.

110 1373.

110 1374.

110 1375.

110 1376. *Waltheria Americana* L. ✓  
My.

110 1377. *Sida acuta carpinifolia* (L.f.) Schum.  
Carpinifolia L.f. Schum.

110 1378.  
Bata...

110 1379.  
B...

110 1380. *Anacardium sinaloense* B+R n. 1  
Type

110 1381.

110 1382.

110 1383. *Cephalocereus purpureus* R.

110 1384.

110 1385.

110 1386.

Suberit  
C...



1

6 110 1387.

6 110 1388.

6 110 1389.

6 110 1390.

6 110 1391. *Lysiloma microphylla* Bond.

My 2

6 110 1392.

6 110 1393. *Mimosa distachya* Cav.

6 110 1394.

6 110 1395.

6 110 1396.

My

6 110 1397.

unc  
Jalisco Pinar July 10 1897

July 11 1897  
Jalisco

My ✓  
1

6 110 1398.

6 110 1399.

6 110 1400. *Perityle microglossa* Benth.

6 110 1401.

6 110 1402. *Solanum madreense* Fernald.

6 110 1403.

6 110 1404.

6 110 1405.

6 110 1406.

6 110 1407. *Pisonia capitata* (S. Wats.) Standley

6 110 1408.

110 1409.

110 1410. *Coriandrum sativum* L.

110 1411.

110 1412.

110 1413.

110 1414.

110 1415.

110 1416.

110 1417.

110 1418.

110 1419.

J. L. S.

2

1

1

Mex

3

Gray. Mex. Rev. Mex.

China (gum)

*Reapora*



110 1420.

2

110 1421.

4

110 1422. *Mimosa asperata* L.

110 1423.

2

110 1424. *Eclipta alba* Hassk.

110 1425. *Eryngium nasturtifolium* Juss.

Humb. & Kunt.

110 1426. *Nicotiana plumbaginifolia* Viv.

110 1427. *Tridax procumbens* L.

J.D.S. & Kunt.

110 1428. *Guardiola Carinata* Robinson, n. sp.

110 1429.

110 1430.

My.

110 1431.

*Fruticosa*

My. 1

low shrub, very small, flowers white

110 1432.

*Fruticosa*

low shrub, in cultivated ground

110 1433.

*Fruticosa*

My. Mex.

Shrub 6 ft. high

11 1434. *Solanum Grayi* Rose.

*Solanum*

Shrub

Shrub 6 ft. high, flowers white

11 1435.

*Solanum*

3

June 20.

11 1436.

11 1437.

*Solanum*

3

Large tree

11 1438. *Cedrela occidentalis* C. H. & Rose. sp. nov.  
*Cedrela* St. L. My. my. g. 20.8.

Low.

11 1439.

Field tree

11 1440.

3

11 1441.

Low tree, fruit like orange  
in shape; seed large with light  
hulph.

110 1442. *Zanthoxylum pterota* (L.) HBK.

110 1443. *Perityle microglossa* Benth.

110 1444. *Myrsine crassifolia* HBK.

11 1445.

11 1446.

11 1447.

11 1448.

11 1449.

11 1450.

11 1451. *Bombax palmeri* Watson.

11 1452.

Kew.

My. Mex

My. Mex

1

1

1

1

1



110 1453. *Asimina foetida* Rose.  
*Asimina foetida*

110 1454.

"*Bumelia*"

110 1455. *Ampelopsis mexicana* Rose, n.sp. type.

11 1456.

11 1457.

*Asimina*

11 1458.

*Heliconia*

11 1459.

*Crucifera*

11 1460.

*Asimina*

11 1461. *Solanum nigrum* L.

*Solanum nigrum*

11 1462.

11 1463.

"*Bumelia*" St. L. Kew. Gray. mex. ny.

ny.

mex.

110 1464.

*Passiflora*

110 1465.

*Passiflora*

2

110 1466. *Passiflora foetida* L.

*Passiflora*

*Passiflora*

11 1467.

*Rhytidium*

1

11 1468.

*Rhytidium*

Gay Mex. My.

✓ 3

11 1469.

*Rhytidium*

11 1470.

*Rhytidium*

Mex. My.

11 1471.

*Rhytidium*

Gay. My. Mex.

11 1472. *Urbesina pinnatifida* Cav.

*Urbesina*

11 1473.

*Urbesina*

2

11 1474.

*Crataegus* - see 1300

6

*Passiflora*

30+ ft 1/2 ft in diameter; flowers  
white, yellow, orange, red, purple

June 26 1917

110 1475. Mimosa polyantha Smith.  
Hud. Sp.

110 1476.  
Rosaceae

110 1477.  
fruticose, flowers white

11 1478.

11 1479.  
Shrub

11 1480.

11 1481. Cayaponia dubia (Hook & Arn) Rose  
Cucurbitaceae

11 1482.

11 1483.

11 1484.

11 1485.

2

light bush 3 ft high, flowers greenish.

small shrub

Shrub 3 ft high

Shrub 1 ft high

Shrub 12 ft high with wide spreading top & much of the tree

flowers white

1

1

8

low bush 2 ft high

low bush 2 1/2 ft high



110 1486.

5

110 1487. *Aeschynomene simulans* Rose, n. sp.

110 1488.

11 1489. *Hymenaea candoleana* H.B.K.  
Tandap Mex.

11 1490.

5

11 1491. *Sida acuta carpinifolia* (L.f.) Schum.  
*Sida acuta carpinifolia* (L.f.) Schum.

11 1492.

2

11 1493.

5

11 1494. *Zephyranthes tepicensis* Greenman n. sp.  
J.M.S. Tepic Kew.11 1495. *Oniscus raphidifolius* Hemsl.

11 1496.

1

- 110 1497. *Parthenium hysterophorus* L. 1  
white flowered composite N.Y. ?  
110 1498. 3  
110 1499. *Euphorbia Pusillii* Less. ✓  
11 1500. 4  
11 1501. 3  
11 1502. 3  
11 1503. 1  
11 1504. 2  
11 1505. *Terebinthus arborescens* Rose  
N.Y. 1  
11 1506. 2  
11 1507.

- 110 1508. *Ionoxalis primavera* Rose sp. nov. ✓ 5  
 Mex. Mex. Gray, M. B. H. Kew 2
- 110 1509.  
*Begonia*
- 110 1510.
- 11 1511.  
*Heliconia* ✓ 1
- 11 1512.  
*Strobilanthus* 2
- 11 1513. *Solanum refractum* Hook. & Arn. ✓  
 Mex. 2
- 11 1514.  
*Pisonia* 1
- 11 1515. *Couepia polyandra* (HBK.) Rose
- 11 1516.
- 11 1517. ~~*Elephantopus spicatus* Juss.~~ ✓  
*Capparis cynophallophora* St. L. Kew.  
 Mex. Gray. Mex.
- 11 1518.  
 Gray St. L. Kew, Mex. NY. ✓



Territorio de Tepic, Acafoneta.

July 20<sup>th</sup> 97

110 1519. *Zanthoxylum occidentale* Rose, n.sp.

110 15130.

2

110 15131.

11 15132.

11 15133.

11 15134.

1

11 15135. *Phoradendron acaponitae* Treb.

3

Gr. 7.9/1

11 15136.

3

11 15137.

2

*Ragnonia*

11 15138.

10

11 15139.

2

110 11530. *Terebinthus arborea* Rose *sp. nov.* 4  
 alt. 22. Kew 7.9.91.

110 11531.

110 11532.

11 11533.

11 11534.

11 11535.

11 11536. *Zinnia linearis* Benth.

11 11537.

11 11538.

11 11539.

11 11540. *Hibiscus*

My.

Territorio de Tepic, Acapulco to Concepcion. July 4,

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July 6

July 5

July 7

110 1541. (*Panicum sanguinale ciliare* (Retz.) Vasey.  
*Syntherisma sanguinalis* (L.) Dulac

110 1542. *Leptochloa mucronata* Kunth.

110 1543. *Paspalum paniculatum* L.

11 1544. *Panicum colonum* L.

*Echinochloa colonum* K. Thunb.

11 1545. *Eragrostis* <sup>*pilosa* (L.) Beauv.</sup> ~~*Purshii* Schrad~~

St L. Gray N.Y. Mex.

11 1546.

11 1547. *Kallstroemia canescens* Rydberg  
*Tribulus* Gr.

11 1548. *Euphorbia pilulifera* L.  
*Euphorbia* Kew. Gray, N.Y.

11 1549.

11 1550.

11 1551.

State of Pinaloa -

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July 7,

2 - State of Sonora, Rosario.

3

2

2

4

2 Mex.  
5

1

110 1552.

110 1553.

110 1554.

11 1555.

11 1556.

11 1557.

11 1558.

11 1559.

11 1560.

11 1561.

11 1562.

St. L. Gray, New, N.Y.

State of Sinaloa, Rosario.

July 7.

My

My

2

1

2

1563.

1564. Mimosa asperata L.

1565. Wedelia acapulcensis HBK.

1566. Eupatorium albicaule laxius Robinson.  
Kew, My.

1567.

1568. Melampodium Rosei Robinson var. subintegrum Rob. n. var.  
My. Herb. Gr. J. D. E. Kew.

1569. Pridaya procumbens L.

1570. Diphysa suberosa Watson.

1571.

1572.

1573.

State of Durango, ~~in~~ ~~the~~ ~~state~~ ~~of~~ ~~Durango~~ Rosano. July 8.

3

110 1574.

"A"

110 1575.

110 1576. *Astura meteloides* W.

11 1577. *Elephantopus spicatus* Juss.

11 1578. *Baccharis glutinosa* Pers.

11 1579. *Ampelopsis mexicana* Rose, n-sp-type

11 1580.

11 1581.

11 1582.

11 1583.

11 1584.

1

3

my. 2

St L. Mex.



State of Limaloa,  
Rosario

110 1585. \* *Talinum attenuatum* Rose & Standley sp. nov.

110 1586. *Zanthoxylum pterota* (L.) HBK.

110 1587. *Hippocratea pauciflora* Rose, n. sp.

110 1588.

110 1589.

110 1590.

110 1591.

110 1592.

110 1593.

110 1594.

110 1595.

110

July 11.

State of Tinaloa, Rosario.

110 1596.

110 1597. *Malvastrum tricuspidatum* Gray.

*Malvastrum tricuspidatum* Gray.

110 1598.

*Solanum*

mex ✓

11 1599.

11 1600. *Solanum verbascifolium* L.

*Solanum*

*Malva*

11 1601.

*Solanum*

11 1602. *Stenorrhynchos orchidoides* (Sw.) L.C. Rich.

*Stenorrhynchos*

11 1603 *Diphysa echinata* Rose

*Diphysa*

sp. nov. 3  
Gr. N.Y.

11 1604.

11

11 1605. *Baccharis erecta* L.

*Baccharis*

Gr. N.Y.

11 1606 *Mimosa spinocarpa* Rose.

*Mimosa*

- 110 1607. *Thryallis tuberculata* Rose sp. nov. ✓  
 110 1608. *Salvia* *aequidistans* Fernald, n. sp. ✓  
 110 1609. *Salvia* *aequidistans* Fernald, n. sp. ✓  
 11 1610. *Castilleja* *aequidistans* Fernald, n. sp. ✓  
 11 1611. *Turnera* *humifusa* (Presl) Endl. ✓  
 11 1612. *Turnera* *humifusa* (Presl) Endl. ✓  
 11 1613. *Turnera* *humifusa* (Presl) Endl. ✓  
 11 1614. *Turnera* *humifusa* (Presl) Endl. ✓  
 11 1615. *Turnera* *humifusa* (Presl) Endl. ✓  
 11 1616. *Aschynomene similaris* Rose, n. sp. ✓  
 11 1617. *Aschynomene similis* Rose, n. sp. ✓

State of Tinaloa, bet. Rosario & Colomas. July 12, 95.

95

3



110 1618. *Eryngiophyllum rosei* Greenman.  
Map. N.Y. Kew, n. gen. & sp.

110. 1619.

1/10 1: 1620.

11 1621. *Pentarrhaphis fournierana* (Vasey) Hook & Scribn.  
polymorpha (Fourn.) Griffiths

11 1622.

11 1623

11 1624.

11. 1625.

11 1626


111 1627

11. 1628.

State of Sinaloa bet. Rosario & Culiacan.

July 12.

7. *Salvia* *serotina* *serotina* *serotina* *serotina*  
Dark yellow



110 1630.

110 1 1631.

11 1632.

11 1633. *Helioopsis procumbens* Hamsh. 3  
St L. Mex, New, My.

11 1634.

1635. *Zinnia greggii* Rob. + Greenm.

11. 1636

1637. *Cipar jaliscanum* Serretali? Cde Candolle. 1899

1638.

1639

Toothhills of the Sierra Madre, Sinaloa,  
Belt. Rosario & Bolamas.

50

July 13

Foothills of the Sierra Madre. Sinaloa,  
Bet. Rosario & Colomas.

July 13,

1640.

1641.

1642.

*Polypodium furfuraceum* Schlecht

1643

*Quercus aristata*

1644.

*circinata*

1645.

1646

1647.

11648.

*Quercus planipocula*

1649

1650

max. Gray.

*Lotoxalis dichotoma* Rose

sp. nov.

My



110 1 1651. *Tonoxalis lanceolata* Small sp. nov. ✓

110. 10/652.

1100, 1653. *Cologania angustifolia* Kunth.

11 1654

11 165-5.

11 / 1656.

11 1657. *Cyperus Rosei* C. DC. C. de Candolle. 1899.

11. 1658.

11 1669.

11660. *Anneslia colomagensis* B+R  
Type

11661.



Foothills of the Sierra Madre, Zimaleoa, July 14  
Near Colomas.

110 1673.

110 1674.

110 1675.

11 1676.

11 1677.

11 1678.

11 1679.

11 1680.

11 1681.

11 1682.

11 1683.

*Luffa cylindrica* (L.) Roem

-2

1

2

4

1



Foot hills of the Sierra Madre, Tinaloa. July 15.  
Near Colomas

110 1684. *Natura arborea* L.

110 . 1 1685-

110, 1686.

11 1687. *Panicum oaxacense* Steud.  
*Lasiacis procerrima* (Hack.) Hitchc.

11 11688.

11 1689.

11 1690.

11. 1691.

*Polypodium angustifolium* Sw.

11 1692. *Turnera ulmifolia* caerulea (DC.) Urb.

111 1693.

1694.

110 1695.

110 1696.

110 1697.

110 1698. *Triumfetta deliscens* Rose sp. nov.

Kew. Mex. Mex.  
Gray, Mex. Mex.

110 1699.

110 1700.

110 1701.

110 1702.

110 1703.

110 1704.

110 1705. *Ceiba grandiflora* Rose.

*Ceiba grandiflora* Rose. Mex. Gray Mex.  
Coll. Kew. Mex.

Foot hills of the Sierra Madre, Sinaloa,  
Near Colomas.

July 16,

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July 16,

110 1728.

110 1729.

110 1730. *Petroselinum petroselinum* (L.) Karsten.

Herb called "Perejil"

110 1731. *Mimosa alba* HB.  
(leaves exceptionally broad + obtuse.)

110 1732.

110 1733.

110 1734.

110 1735. *Liatris curvum* Rob.

110 1736.

110 1737.

110 1738.

Foothills of the Sierra Madre, Sinaloa.  
Near Colomas.

1

2

2

2

1

104

60

'9-

Foot-hills of the Sierra Madre, Sinaloa, July 18, '97  
Near Colomas

Near Coloma:

110 1739.

110 1740. *Citrus medica* L.

114 1741.

11 1742.

11 1743.

*Museniopsis percedanoides* (HBK.) C. R.

11 1744.

11 1745.

11. 1746.

11 1747.

1748.

1749.



A  
B  
C  
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E  
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V  
W

Foothills of the Sierra Madre, Sinaloa.  
near Colomas.

July 18.

- 110 1750. *Calliandra laevis* Rose, n. sp. 1
- 110 1751. *Calliandra* 3
- 110 1752. *Calliandra* 3
- 11 1753. *Calliandra laevis* Rose, n. sp. 3
- 11 1754. *Calliandra* 2
- 11 1755. *Calliandra* 1
- 11 1756. *Calliandra* 5
- 11 1757. *Quercus glaucescens* 4
- 11 1758. *Quercus coffeaeicolor* 4
- 11 1759. *Enterolobium cyclocarpum* (Jacq.) Sweet, 4
- 11 1760. *Euphorbia braziliensis* Lam. ✓

Mex, Gray, Kew, NY.

Foothills of the Sierra Madre Sinaloa.  
Near Colomas.

C  
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175 1761

175 1762

175 1763

175 1764

175 1765

175 1766

175 1767

175 1768

175 1769 *Cuphea trichopetala* Rose, n. sp.

175 1770

175 1771

175 1772

2

✓

May 24.

3

1

3

2

July 20,

Foothills of the Sierra Madre, Sinaloa.  
Near Colomas.

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P  
Q  
R  
S  
T  
U  
V  
W

- 110 1 1773 1
- 110 17 1774 2
- 110 17 1775
- 11 17 1776 *Oecropia mexicana* Humboldt
- 11 17 1777 *Solanum madrense* Fernald.
- 11 17 1777a *Solanum madrense* Fernald.
- 11 17 1778 *Dryopteris martinicensis* (Spreng.) Kuntze
- 11 17 1779 *Lahlia coccinea* Cav.
- 11 17 1780
- 11 17 1781 *Deanea glauca* C. & R. sp. nov.
- 11 17 1782
- 11 17 1783
- 11 1784 *Scutellaria Rosei* Fernald n. sp.



Foothills of the Sierra Madre Sinaloa.  
Near Loolomas.

July 20.

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- 110 1 1783 *Yucca* 1
- 110 7 1786 *Calceolaria palmeri* Gray. 1
- 110 17 1787 *Calceolaria* 1
- 110 17 1788 *Euphorbia orthocarpus* (Gray) Wats. 1
- 110 17 1789 *Acacia ortogae* Barth. & Henr. 2
- 110 17 1790 *Acacia* 2
- 110 17 1791 *Acacia* 3
- 110 17 1792 *Acacia* 1
- 110 17 1793 *Acacia* 1
- 110 17 1794 *Acacia* 1
- 110 17 1795 *Acacia* 1
- 110 17 1796 *Acacia* 1

July 20,

Foothills of the Sierra Madre, Sinaloa.  
near Dolomas.

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1800

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\*1805

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1808

*Mimosa eurycaufoides* Rob.

*Hechtia suaveolens* Morr.?

*Pellaea rigida* (Sw.) Hook.

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My.

Kew Mex. My.

1809a *Pellaea angustifolia* (HBK) Baker  
 1809b *Pellaea angustifolia* (HBK) Baker.

Cereus

Agave

1813 *Persia gratissima* Baertn.

1814 *Coulterophytum macrophyllum* Cr. R.  
 sp. nov.

*Isotoma longiflora* Presl.

1817 *Solanum Grayi* Rose

1819 *Solanum refractum* Hook. & Arn.

Foot hills of the Sierra Madre, Sinaloa. July 19.  
 Above Colomas.

July 21

near Pinaro

July 14

Sinaloa

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1820 *Zanthoxylum occidentale* Rose, n. sp.

1821 *Terebinthus arborea* Rose sp. nov. 2

1822

1823

1824

1825

1826

1827 *Boerhaavia erecta* L.

1828

1829- *Kallstroemia longipes* Rydberg.

1830

1830

State of Tinaloa, Rosario

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1832 *Euphorbia pilulifera* L.

Mex. My. 6

1834. *Panicum fasciculatum* Sw.

Kew.

1835

Gay Mex. Kew. My.

1836 *Solanum verbascifolium* L.

1837

*Boerhaavia*

1838

*Boerhaavia*

1839 *Eupetorium albicans* Laxius Robinson

My. Kew. Mex.

1840 *Chaetochloa liebmanni* (Fourn.) Scribn.

1841

*Boerhaavia*

St. L. Kew. My. Mex. Gay

*Boerhaavia*, Sinaloa.

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Sinaloa.

On the road to Acafoneta.

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1853 *Talinum paniculatum* (Jacq.) Gaertn. 2

Gray N.Y.

1854

1855

1856 *Ambrosia artemisiifolia* L. Kew.

1857

1858 *Citharexylum*

1. #  
Field Mus.

1859 *Opuntia porteri* K. Brandg

1860

1861

1862

1863

Beliman Rosario to Acafoneta

1864 Solanum Lambii Fernald.

1865

1866

1867 Sporobolus wrightii Munro.

1868

1869

Libidibia Oleria caespitosa (Lam.)

1870

1871

1872

1873

1874

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Sinaloa, bet. Rosario & Acaponeta. Jan 4 28

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2 - Dinaloa; bet. Rosario & Acaponeta.

July 28,

1877. *Dactyloctenium aegyptium* (L.) Willd. <sup>mx.</sup>

1878 *Panicum stramineum* Hitchc. & Chase <sup>J.M.S. Kew. Sep.</sup> 2

St. L. Kew. Gray.

4

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2

1883. *Panicum stramineum* Hitchc. & Chase

1884. *Panicum fasciculatum* Sw. reticulatum Torr.

1885 *Paspalum plicatulum* Michx.

J.M.S. Kew. Sep.

3

1887 *Ciiba casearia* Medic. (Kew.)

*Ciiba casearia* J.M.S. Kew. Sep. <sup>mx.</sup>

between Conception & Acaponeta <sup>July 29</sup> Sep.

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July 29, '97

Territorio de Tepic, Ver. Concepcion Acajete.

1888 *Eulalia polidachya* DC

2

1889 *Panicum stramineum* Hitchc. Chase ✓  
My. Br.

1890 *Capsicum annuum acuminatum* ✓  
My. Mex

1892 *Sida anomala* St. Hil.

*Pectis sinaloensis* Fernald. My. V  
var *laucifolia* Greun.  
4. var

3

Rur. Gray St. L. My. Mex

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1879 *Cyperus inflexus* Muhl.

27. 2

Teritorio de Tepic, Cat. Concepcion (Caponea)

1900 *Panicum leucochaetum* HBK.

*Valota insularis* (L.) Chase. Kw.

157

1902

*Bouteloua hirsuta* Lag.

1903- *Malva parviflora* L.

Sinaloa & Concepcion

Conapcious, Acaponeta.

U  
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1911 Hibiscus manicot L.

in Pullar's - 1840  
in Linn. 1840  
for 1840



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